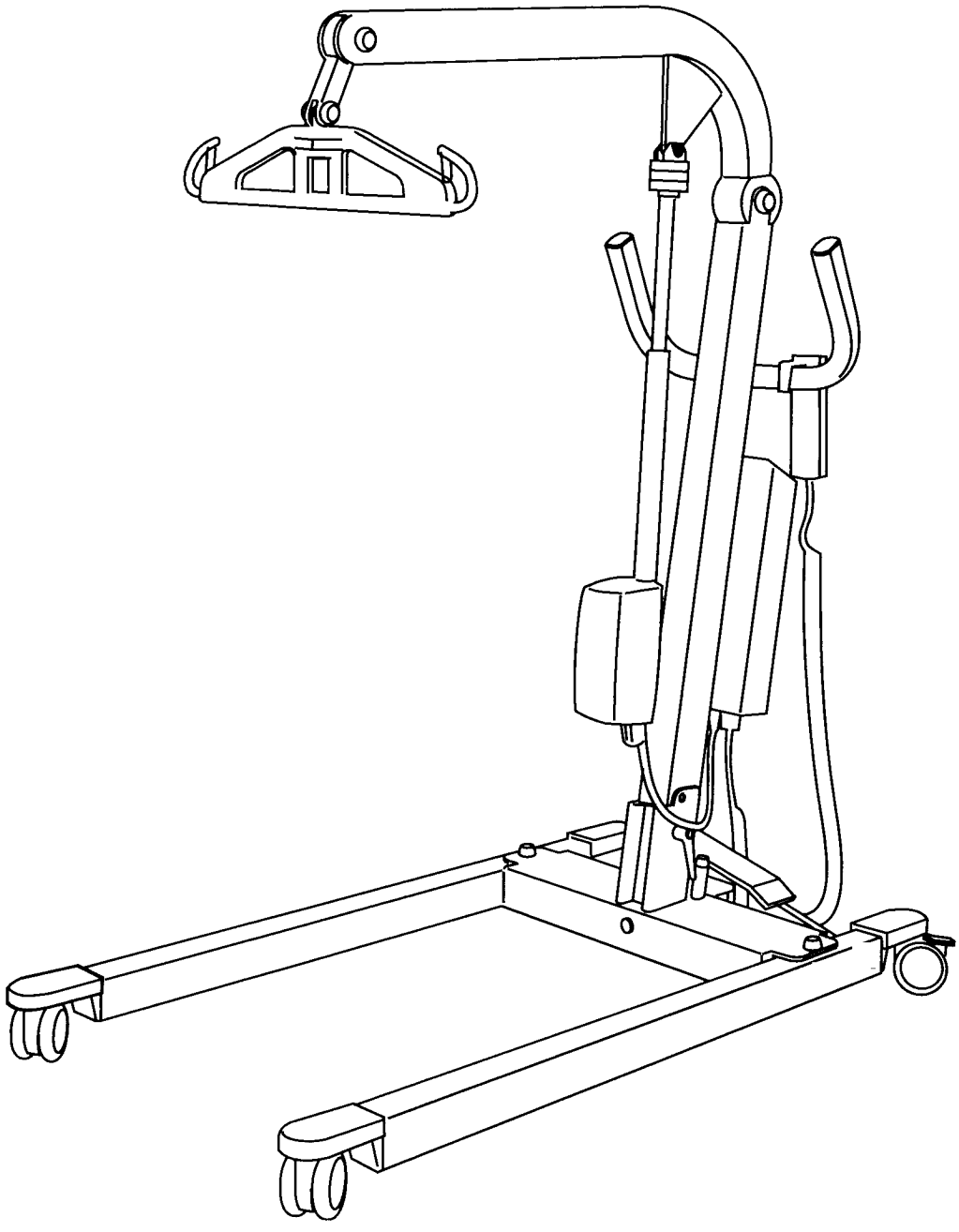
Service Manual

LikoLight

Doc.no.7NN45401
2000-05-26



Liko

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Care and Maintenance

Before using make certain that:
- the lift is assembled as the instructions says.
- the safety split pin or nut is securely fastened in the bolt that holds the sling bar or other accessories.
- all manuals for both hoist and accessories have been carefully studied and fully understood.
- persons using the equipment have received appropriate instructions and training.
- all lift components, material, and seams are intact and show no signs of damage or wear.
- the appropriate lifting accessory regarding type, size, material and design in proportion to the patient is used.
- the patient is positioned firmly and securely so that no part of the body can be injured.

Before lifting *always* make certain that:
- the sling is correctly attached to the hoist.
- the sling loops are correctly attached to the hooks on the sling bar. This should be checked when beginning to lift the patient - when the sling straps are *taut*, but the patient is still seated.

LikoLight is classified as a medical technical product Class I.

Maximum load: 140 kg (308 lbs.)

⚠ ***CAUTION!***
Use* only *authorized Liko service personnel and Liko spare parts.

Transportation and storage
During transportation, or when the patient lift is not to be used for some time, the emergency button should be pushed in. Also, when storing, keep the patient lift at a temperature exceeding freezing point and at a relative humidity no more than 60%.

We always try to improve our products. Naturally, this means changes from time to time.
Please contact our local representative or your nearest Liko office to receive the latest updates.

Tillsyn och underhåll

För problemfri användning bör vissa detaljer kontrolleras varje dag lyften används.

- Inspektera lyften och kontrollera att inga yttre skador har uppkommit.
- Kontrollera skruv och låsmutter som fäster lyftbygeln.
- Kontrollera urkrokningsskyddets funktion.
- Kontrollera manövreringen av lyftrörelsen och breddinställningen.
- Kontrollera att nödsänkningen fungerar.
- Ladda batterierna efter varje dag lyften använts och kontrollera då att laddaren fungerar.

Rengör lyften med varmt vatten eller tvättsprit, vid behov. OBS! Använd inte rengöringsmedel som innehåller fenol eller klor, eftersom detta kan skada polyamidmaterialen.

Tillsyn och kontroll
LikoLight skall genomgå kontroll minst en gång per år av förslitningdetaljer t ex leder, bultförband mm. Utföres i enlighet med Likos serviceinstruktion och av auktoriserad personal.

> △***VIKTIGT!***
> Reparation och underhåll får endast utföras av Liko auktoriserad personal och med original reservdelar.

Transport och lagring
Under transport, eller då lyften inte skall användas under en längre tid, bör nödstoppen vara intryckt. Lyften bör också förvaras frostfritt samt ej över normal luftfuktighet (ca 60%).

Serviceavtal
Liko erbjuder möjligheten att teckna serviceavtal för underhåll och återkommande provning av er LikoLight.

Technical Specifications

Lifting speed: 3,8 cm/sec (1,3 in./sec) without load.
Batteries: Two 2,9Ah - 12V valve regulated rechargable leadacid batteries. New batteries are supplied by the manufacturer.
Battery charger: Separate charger for wallmounting.
Motor (mast): 24 V 6 A, manufacturer Linak, permanent magnetic motor with *mechanical safety mechanism.*
Wheels: *Front:* 75 mm twin Wheels
Rear: 75 mm twin Wheels w. breaks
Material: Anodized aluminium
Em. lowering: Mechanical (pat. pend.) and electrical.

Intermittent operation: *Int. Op 10/90, active operation max 6* min. Out of a time of 100, active must be less than 10, however not more than 6 min.

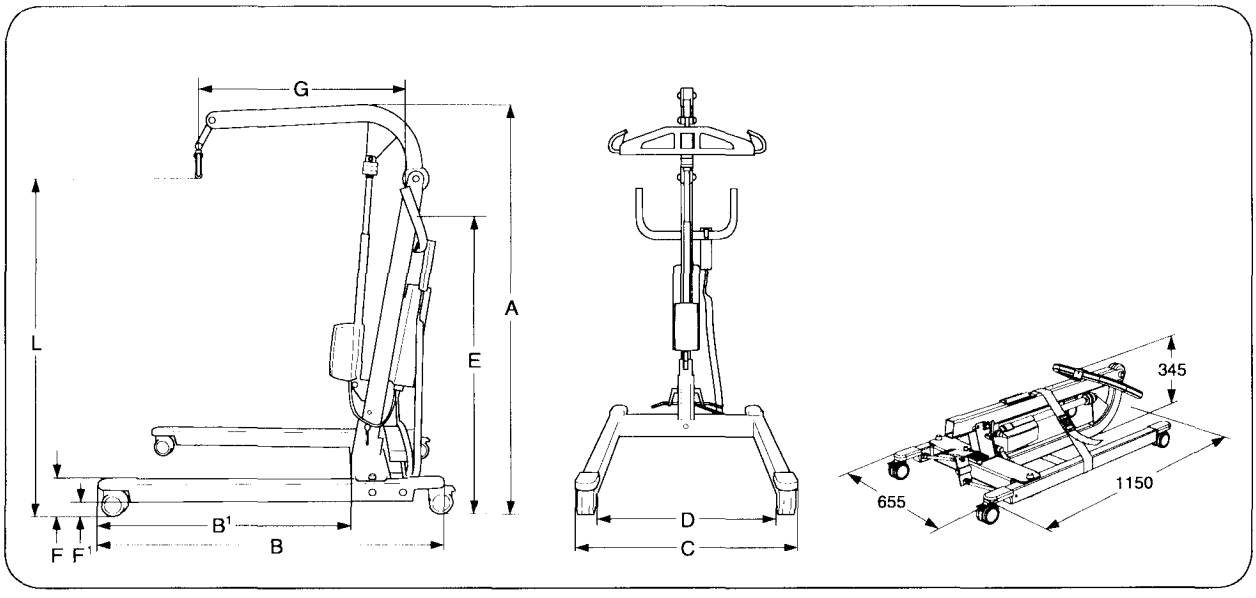
IP-class 43

This device is built for indoor operation.

Type B according to the degree of protection against electric shock.

Class II equipment.

LikoLight meet the requirements of the EMC according to EN 60601-1st-2nd edition. Never expose the device to interference above the levels stated in EN60601-1-2.



Model	Capacity	L Max	L Min	A Max	A Min	B	B¹	C	D	E	F	F¹	G Max	G Mln	Weight Tot	Weight Part	Turning-diameter
A:	140	156	24	173	116	111	81	65,5-106	52,5-94	97	11	2,7	72	50	24	10	127
LikoLight B:	308	61,4	9,4	68	45,5	111	44	25,7-41,7	20,7-37	38	4,3	1,1	28	20	52,8	22	50

A: Capacity and weight in kg. Measurement in cm.
B: Capacity and weight in lbs. Measurement in inch.

Teknisk data

Lyfthastighet: 3,8 cm/s utan belastning
Batterier: 2 st 2,9Ah - 12V ventilreglerade slutna blyack. s.k gelbatterier. Nya batterier tillhandahålles av leverantören.
Batteriladdare: Laddare för väggmont., 100-230
Ställdon (mast): 24 V 6 A, Fabr. Linak, permanent magnetmotor med mekanisk säkerhetsmekanism som dragsäkring och säkerhetsmutter
Hjul: *Fram:* 75 mm tvillinghjul
Bak: 75 mm bromsade tvillinghjul
Material: Aluminium
Nödsänkning: Mekanisk (pat. sökt) och elektrisk

Intermittent drift: Int. Op 10/90, aktiv drift max 6 min. Av en tid på 100 får aktiv tid vara 10, dock max 6 min.

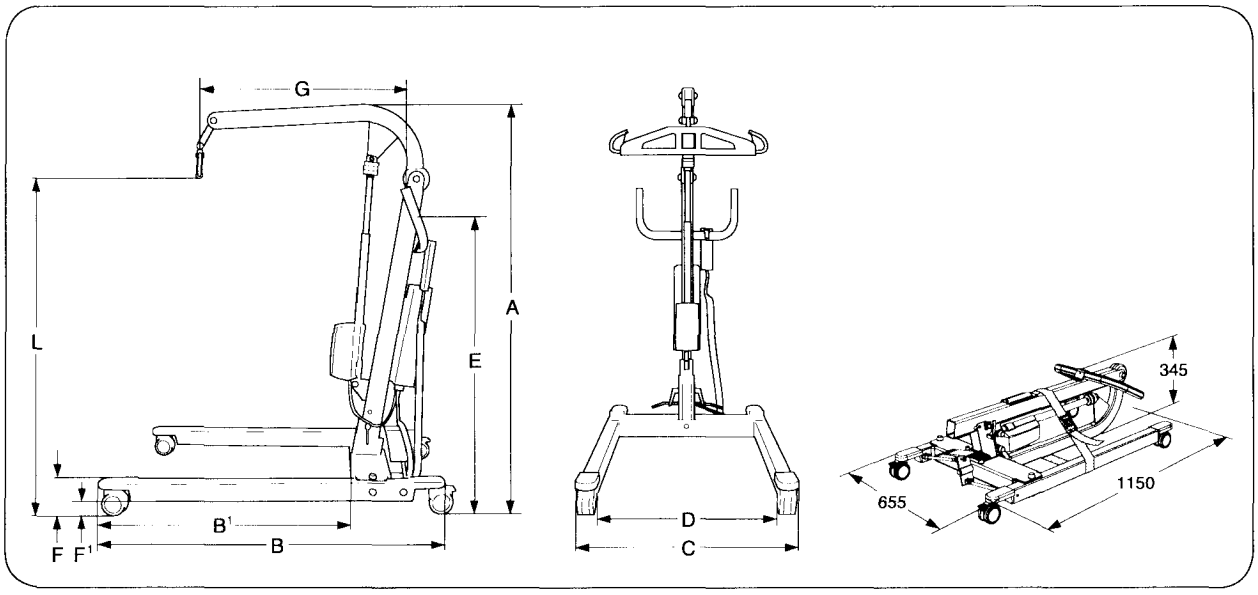
IP klass 43

Apparaten är avsedd för inomhusbruk.

Typ B, enligt skyddsgrad mot elektrisk chock.

Klass II utrustning.

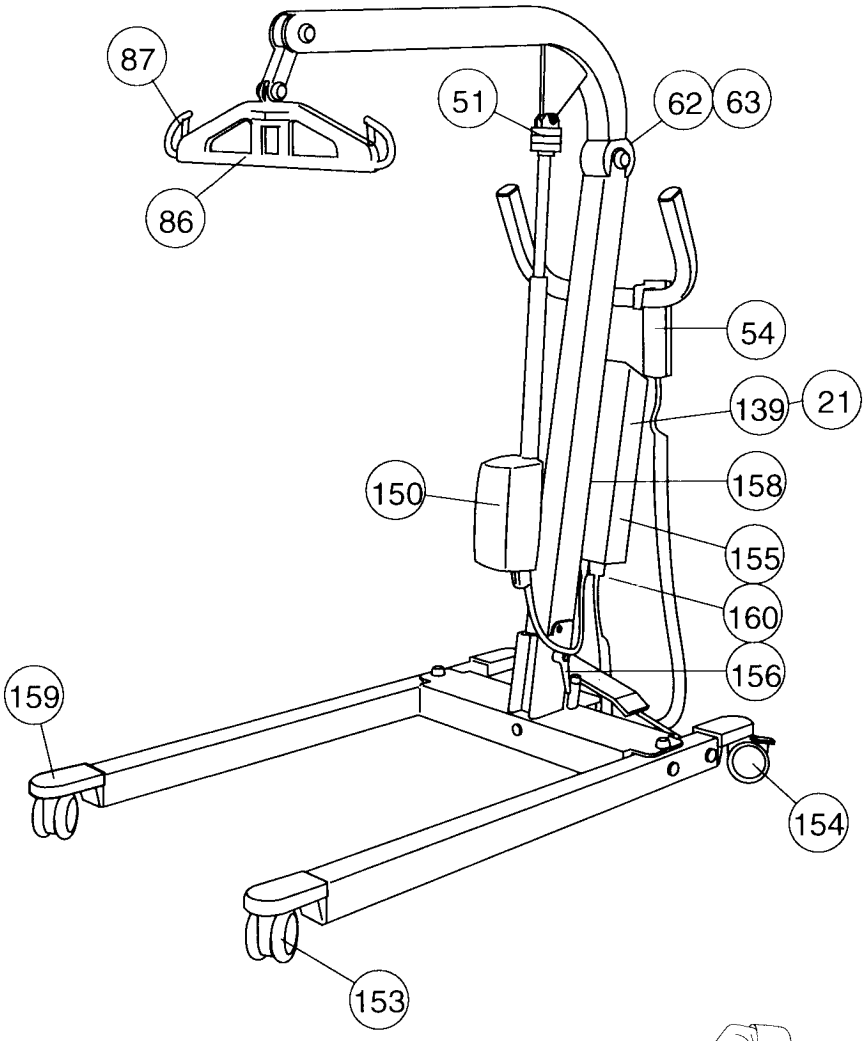
LikoLight uppfyller EMC-kraven enligt EN 60601-1 1st 2nd edition. Utsätt inte apparaten för störningar utöver nivåerna som anges i EN 60601-1-2.

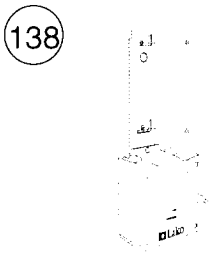


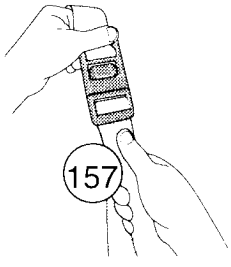
Modell	Kapacitet	L Max	L Min	A Max	A Min	B	B1	C	D	E	F	F1 Max	G Min	G Tot	Vikt Tot	Vikt Del	Vänddiameter
A:	140	156	24	173	116	111	81	65,5-106	52,5-94	97	11	2,7	72	50	24	10	127
B:	308	61,4	9,4	68	45,5	111	44	25,7-41,7	20,7-37	38	4,3	1,1	28	20	52,8	22	50

A: Kapacitet och Vikt i kg. Mått i cm.
B: Kapacitet och Vikt i lbs. Mått i inch.

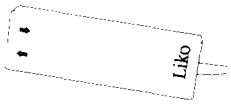
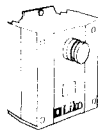
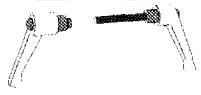
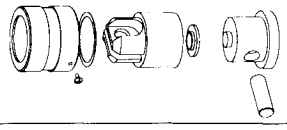
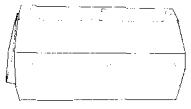
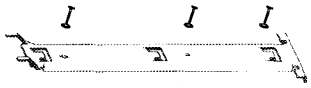
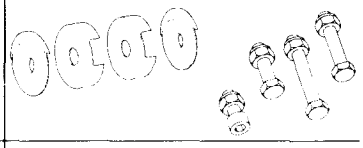
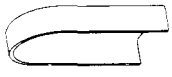
Positions LikoLight







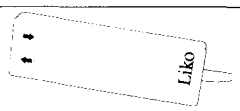
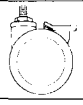
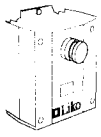
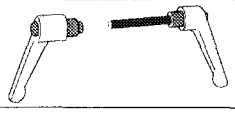
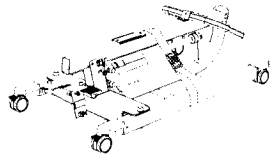
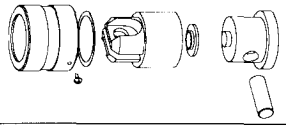
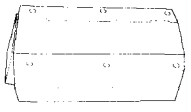
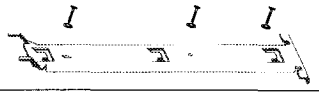
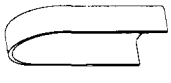
Spareparts

PART.NO	POS.NO	ARTICLE	UNIT	
20390008	150	Actuator Light	pce	
20190016	54	Handcontrol EM, 2-button	pce	
20390001	153	Frontwheel 75 mm	pce	
20390002	154	Rearwheel 75 mm	pce	
20390007	155	Controlbox Light	pce	
20390003	156	Locking handle	set	
2004106	138	Battery charger for extra battery, wallmounted	pce	
20390004	157	Conveyor strap	pce	
20190011	51	Emergency lowering device	pce	
2006106	139	Battery box, incl. batteries	pce	
20390005	158	Attachment for control box Light	set	
20190044	62	Overhead beam restorationset	set	
20190045	63	Lift arm plastic cover	set	
20390006	159	Front fork cover	pair	 X 2

Spareparts

PART.NR	POS.NR	ARTICLE	UNIT	
31190018	87	Safety latch	pair	X 2
3156001	86	Sling bar Universal 450, stainless	pce	

Reservdelslista

PRODUKT NR	POS.NR	PRODUKT BESKRIVNING	ENHET	
20390008	150	Ställdon	st	
20190016	54	Handkontroll 2-knappar	st	
20390001	153	Framhjul 75 mm	st	
20390002	154	Bakhjul 75 mm	st	
20390007	155	Kontrollbox	st	
20390003	156	Låsvred	sats	
2004106	138	Laddare väggmonterad	st	
20390004	157	Transportband	st	
20190011	51	Nödsänkning	st	
2006106	139	Batteribox inkl.batterier	st	
20390005	158	Monteringsbeslag	st	
20190044	62	Renoveringssats lyftarm	sats	
20190045	63	Plastkåpor lyftarm	sats	
20390006	159	Hjulkåpa par	par	 X 2

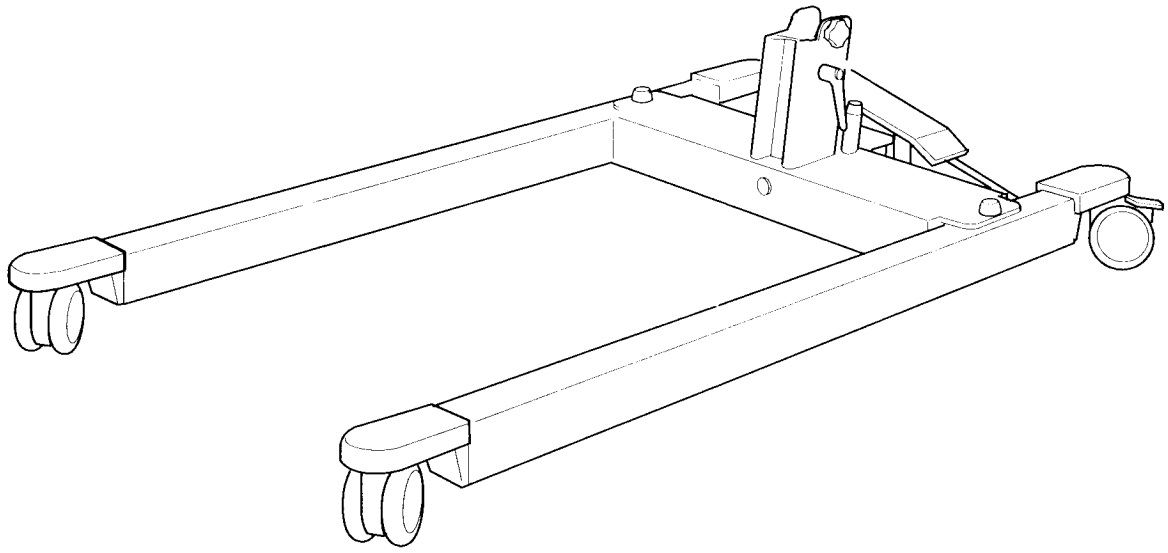
Reservdelslista

PRODUKT NR	POS.NR	PRODUKT BESKRIVNING	ENHET	
31190018	87	Urkrokningsskydd	par	X 2
3156001	86	Lyftbygel Universal 450	st	

U-base LikoLight

Prod. no. 20390010

Serial no..... Version..... Release .....



All details according to drawing no. R 3992518-4

Details	Detail pos.	Detail no.	Unit.
Mast attachment Light	2	901992519	1
Middle beam Light	1	901825052	1
Foot Light	12	901825043	1
Base Light	3	901825012	2
Pedal Light	8	901982506	1
Frontfork Light	12	901825081	4
Armedprofile Light	34	901992512	1
Locking frontfork Light	36	901825082	4
Decal Liko Light	-	900000415	2
Leg cover Light (3 pce)	4/5/6	901992517	2
Footplate Light	7	901992516	1
Spindle 10x208	9	901825105	1
Bearing with collar 10x12x6	10	920000082	4
Lockingwasher Starlock C6668	11	930000254	2
Frontfork cover gray Light	13	900000419	4
Front wheel 75mm Light	14	910000005	2
Rearwheel 75mm Light	15	910000006	2
P6SS M8*45 Ezloc	16	930000060	4
Screw MC6S M10x65	17	930000255	2

Details	Detail pos.	Detail no.	Unit.
Cover IKPT 10-8	-	900000422	2
Screw M6S M10x90	19	930000288	2
Leg housing 10x14x72	20	901251131	2
Leg bearing 18x14x22x5	21	901251133	8
Washer SRKB 11x28x2	22	930000068	4
Linkattachment	24	901992514	4
Top cover Kompl. (gray)	23	900000043	2
Toggle link M8	25	930000260	4
Threaded Steel. M8x200	26	930000264	2
Tube alu. 10x12x171	27	901825101	1
Tube alu. 10x12x175	28	901825102	1
O-ring 7,1x1,6	29	900000420	4
Washer BRB 8,4x20x2	30	930000057	2
Washer Din 433 10,5*18*1,6	31	930000019	2
Locking nut M10	32	930000010	4
Locking nut M8	33	930000091	4
Screw MC6S M8x25	35	930000267	2
Nut M6LM M10	37	930000268	4

U-base LikoLight

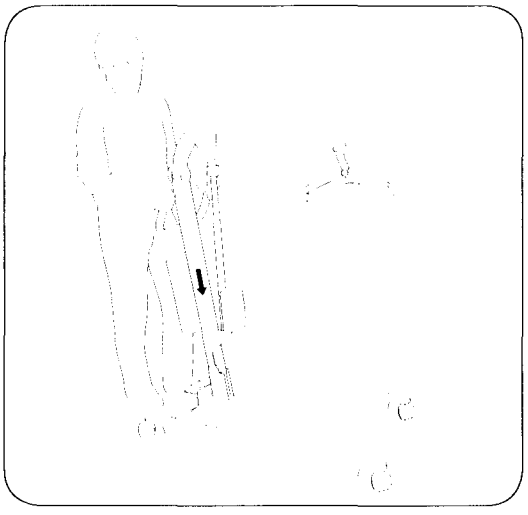
Prod. no. 20390010

Before assembling LikoLight, check that you have the following parts and tools:

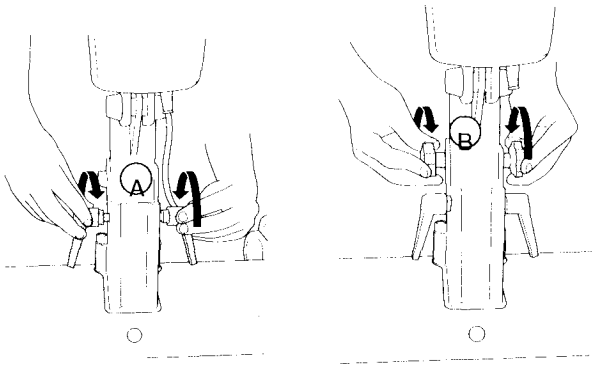
- Lift assembly and overhead beam
- Base with motor for width adjustment
- Hand control with cable
- Charger for wall-mounting
- Battery pack and power unit
- Locking handle and guide screw

After assembling, check the following:

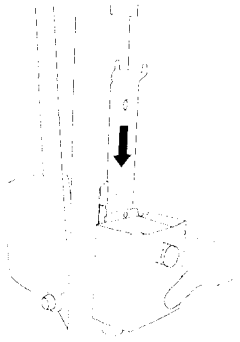
- Check that the lifting motion as well as the width adjustment of the base coincides with the indicators on the hand control.
- Check that the emergency lowering device functions properly.
- Check the wheel brakes.
- Check the battery charge.
- Check that the LED lamps on the charger lights when charging.



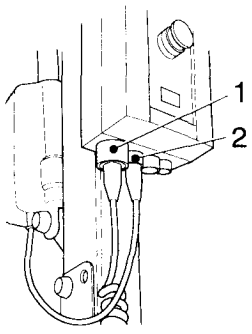
1. Lower the mast into the bracket on the base as shown in the picture



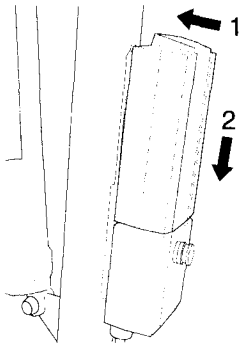
2. Place locking handle (A) in lower hole and tighten. Place guide screw (B) in upper hole and tighten.



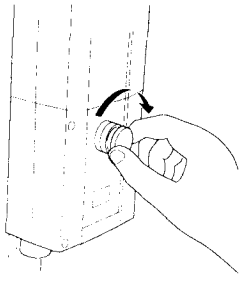
3. Slide mounting bracket with power unit down into slot. For disassembly and trans port, remove power unit by sliding bracket up and out.



4. Connect cables as in diagram above:
Cable handheld control - outlet 1.
Cable lift motor - outlet 2.



5. Mount holder for charger cable. Hook the holder in front, press down until it clicks in place.

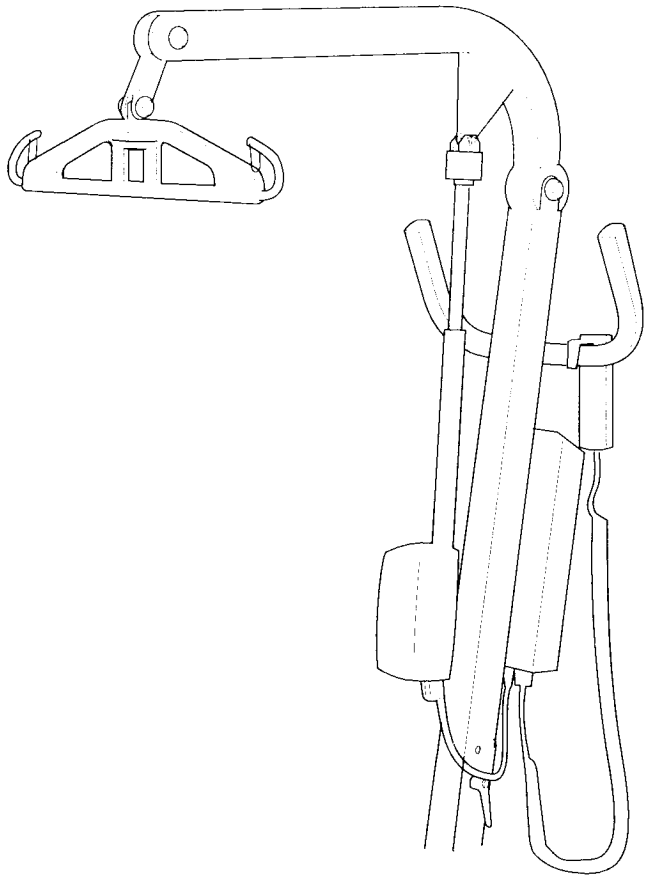


6. Reset the emergency brake by turning the button in the direction shown by the arrow on top of the button.

Mast LikoLight

Prod. no. 20390009

Serial no..... Version..... Release .....



All details according to drawing no. R 3992519-3

Details	Detail pos.	Detail no.	Unit.	Details	Detail pos.	Detail no.	Unit.
Mast Light	1	901982503	1	O-ring 20,22*3,53 EPDM 70	40	900000800	3
Liftarm Light	2	901982502	1	Screw MC6S M10*25	26	930000039	1
Electric profile Light	12	901992518	1	Screw K6S M8x20	9	930000204	2
Handle Light	7	901982509	1	Endcover Light gray	10	900000417	2
Handlebracket Light	8	901982507	1	Screw MC6S M5x12 low	14	930000299	6
Body (slingbar)	4	901891210	1	Half shell Mast lift arm joint	15	901969003	2
Center Bolt Slingbar	30	901953162	1	Lift arm insert set	16/17	901979002	1
O-ring 16*4,5	31	930000182	1	Screw M6S M10*70	19	930000045	1
Bearing Uni Slingbar 51104	32	920000178	1	Locking nut M10	20	930000010	5
Cover bearing Uni Slingbar	33	901495317	1	Screw M6S M10*56	21	930000053	1
Safety Latch	37	900000177	2	Screw M6S M10*42	22	901989012	1
Link (alu.)	18	901979004	1	Top cover Kompl. (gray)	23	900000043	8
Motor-Actuator Light	3	940000007	1	Washer 10,5/18x5 PE natur	24	930000048	2
Controlbox Light	5	950000057	1	Screw M6S M10x50	28	930000046	1
Batterybox	6	950000044	1	Rubber foot Gray 14.M.005	29	900000418	1
Attchm. MBJ2	13	900000001	1	Rivet 6,4x9,5 Alu	35	900000421	1
Handcont. EM	27	950000049	1	Locking nut M8	36	930000091	2
Decal Liko Light	-	900000415	2	Locking nut M5	39	930000104	2
Decal serialnumber Light	-	900000416	1	Star wheel 40x22 M8 Gray	-	930000285	2
Washer Din 433 10,5*18*1,6	38	930000019	1	Locking handle M8 Light	-	930000272	2
Emergency Lowering Uno 102 E mod.	34	20190011	1	Mastbolt	-	901992521	2
Sleeve, Emerg,Lowering	25	901969077	1	Washer BRB 8,4x16x1,6 A4	-	930000286	4

Mast LikoLight

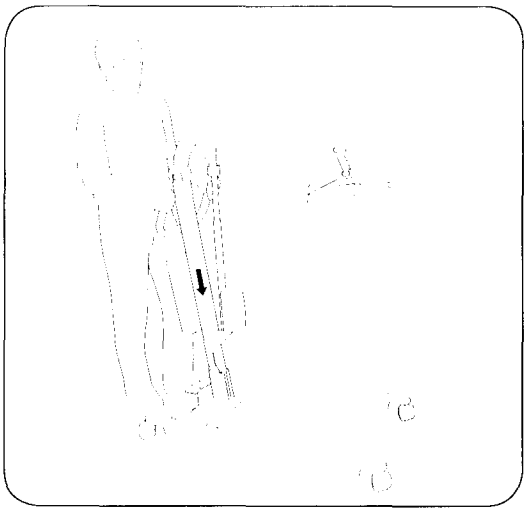
Prod. no. 20390009

Before assembling LikoLight, check that you have the following parts and tools:

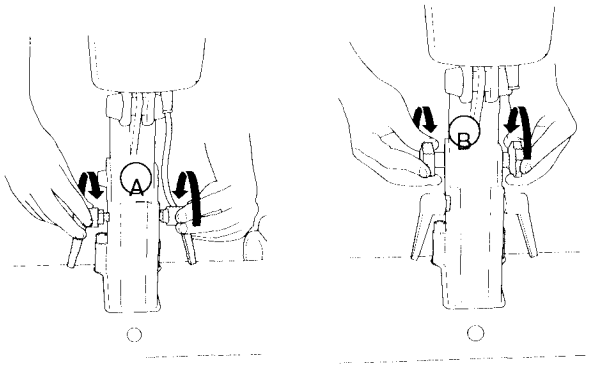
- Lift assembly and overhead beam
- Base with motor for width adjustment
- Hand control with cable
- Charger for wall-mounting
- Battery pack and power unit
- Locking handle and guide screw

After assembling, check the following:

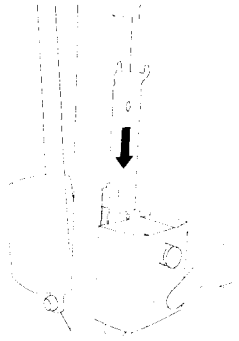
- Check that the lifting motion as well as the width adjustment of the base coincides with the indicators on the hand control.
- Check that the emergency lowering device functions properly.
- Check the wheel brakes.
- Check the battery charge.
- Check that the LED lamps on the charger lights when charging.



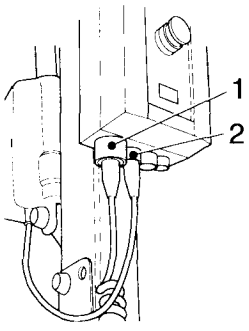
1. Lower the mast into the bracket on the base as shown in the picture



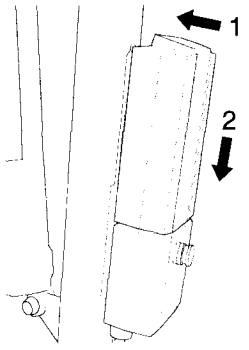
2. Place locking handle (A) in lower hole and tighten. Place guide screw (B) in upper hole and tighten.



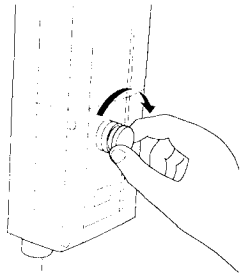
3. Slide mounting bracket with power unit down into slot. For disassembly and trans port, remove power unit by sliding bracket up and out.



4. Connect cables as in diagram above:
Cable handheld control - outlet 1.
Cable lift motor - outlet 2.



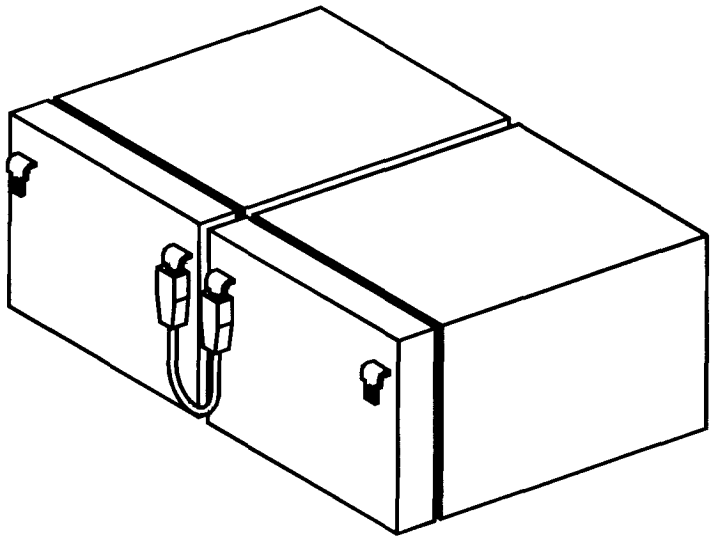
5. Mount holder for charger cable. Hook the holder in front, press down until it clicks in place.



6. Reset the emergency brake by turning the button in the direction shown by the arrow on top of the button.

Battery

Serial no..... Version..... Release .....



All details according to drawing no. R 3992519-3

Details	Detail pos.	Detail no.	Unit.
Battery 1 pair with cable	6	950000053	1

Liko

4.21.1

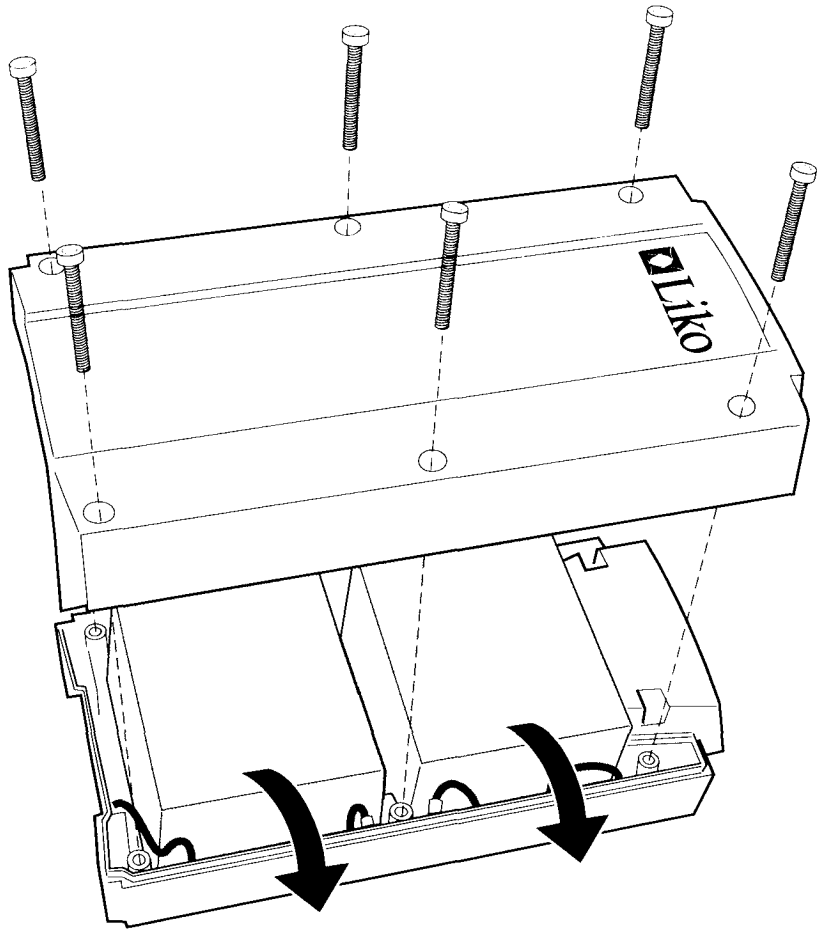
Assembly Instructions/Exchange

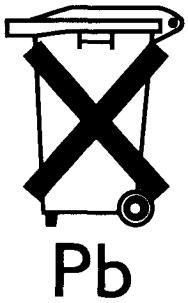
Battery

Prod. no. 20090025

Tools required

T20



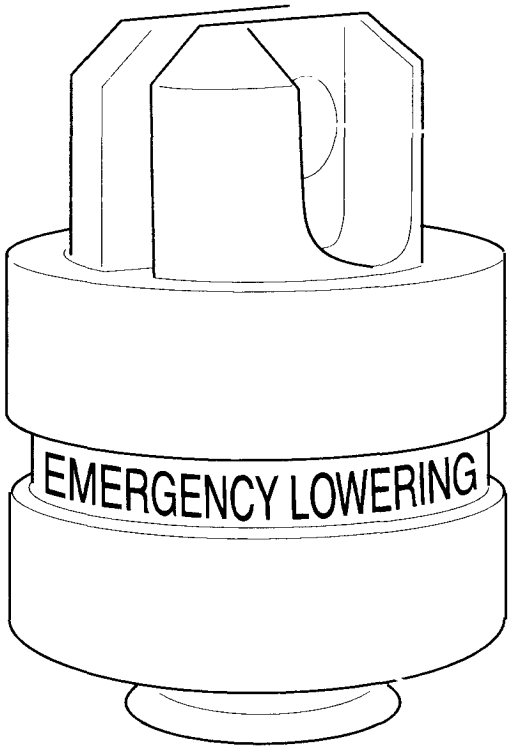


Old batteries are to be left to personal authorised by Liko, or at the nearest station for environmental recycling.

Emergency lowering device

Prod. no. 20190011

Serial no..... Version..... Release .....



All details according to drawing no. R 3992519-3

Details	Detail pos.	Detail no.	Unit.
Twist casing	1	901072201	1
Butt piston housing	2	901072302	1
Mounting bush	3	901072203	1
Bolt 12x34	4	931072204	1
Bushing Emerg. Uno	5	901979010	1
Washer Uno	8	901979011	1
Washer 43x46x0,25	6	920000500	1

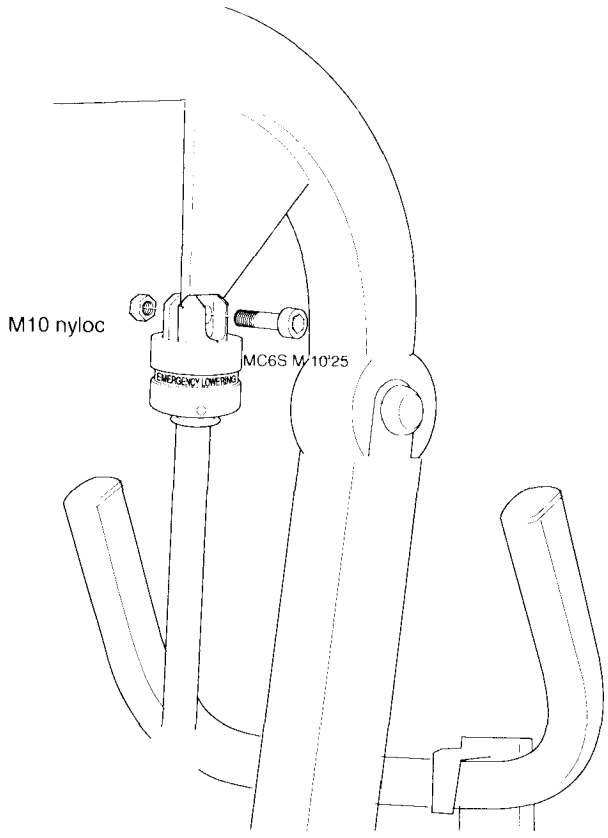
Details	Detail pos.	Detail no.	Unit.
Decal Emerg. Uno	7	900000054	1
Metal screw 2,9x9,5	9	930000503	1
O-ring 20,22*3,53		900000800	3
Bush Emergency Lowering		901969077	1
MC6S M10*25		930000039	1
Locking nut M10		930000010	1

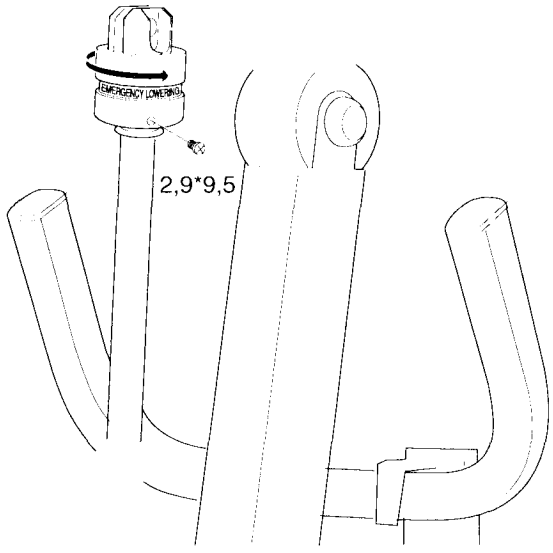
Emergency lowering device

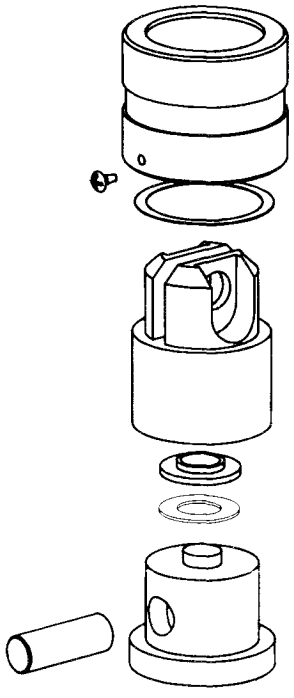
Prod. no. 20190011

Tools required

8 mm





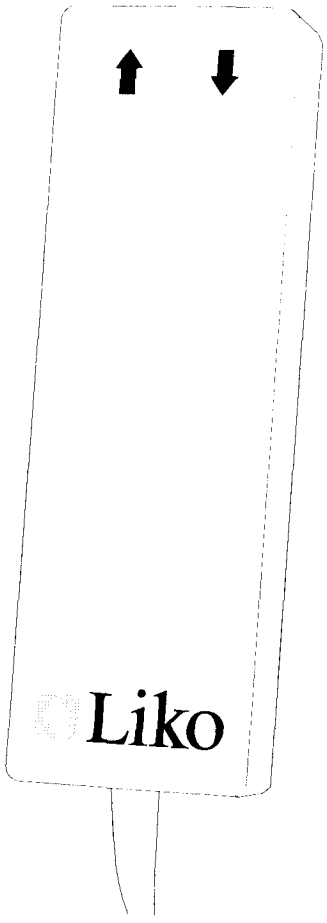


- Adjust the twist casing until the mounting bush slides easily.
- Drill a 11-mm deep hole, located 4 mm above the edge of the twist casing. Use a drill with the diameter 2,7 mm.
- To countersink the screw into the twist casing - drill with a 5,5 mm drill on the head of the screw.

Handcontrol EM

Prod. no. 20190016

Serial no..... Version..... Release .....



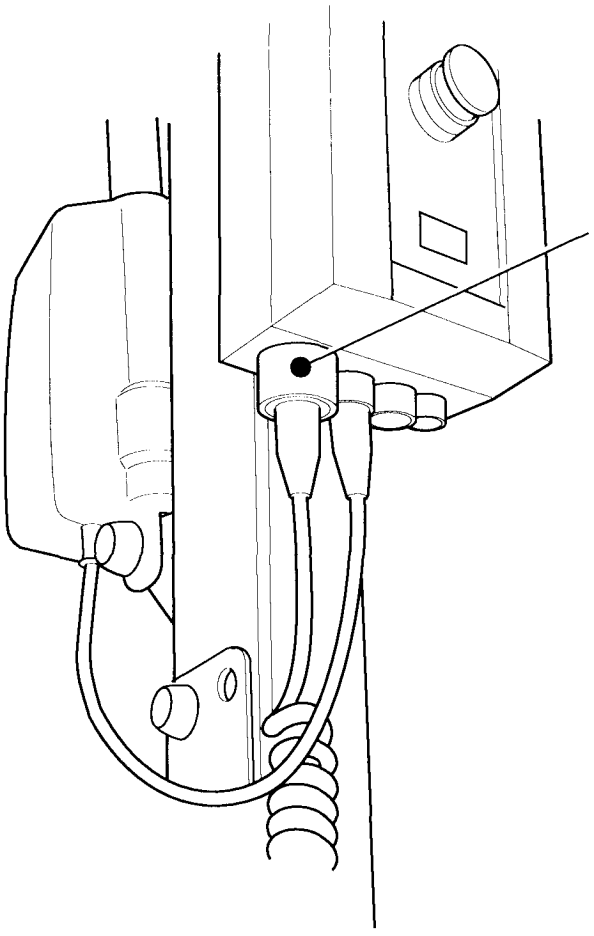
All details according to drawing no. R 3992519-3

Details	Detail pos.	Detail no.	Unit..
Handcontrol EM	27	950000049	1

Handcontrol EM

Prod. no. 20190016

Tools required

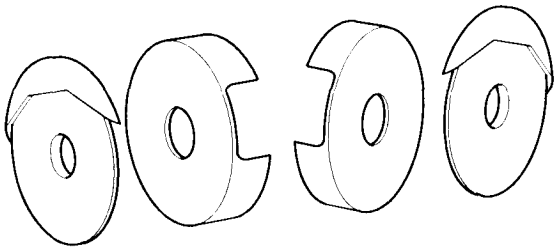


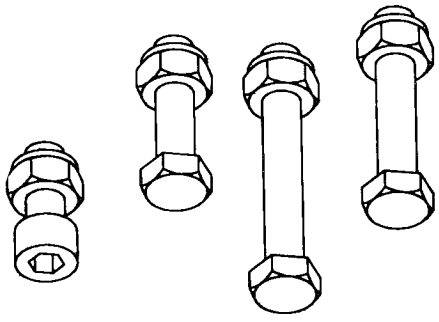
Connect the cable as indicated.

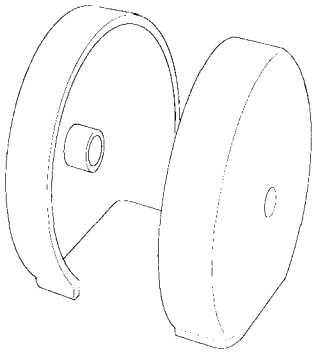
Overhead beam restorationset

Prod. no. 20190044

Serial no..... Version..... Release .....







x6

All details according to drawing no. R 3992519-3

Details	Detail pos.	Detail no.	Unit.
MC6S M10*25	26	930000039	1
Locking nut M10	20	930000010	4
Casing Emergency Lowering Uno	25	901969077	1
Screw M6S M10*70	19	930000045	1
Top cover gray (M10)	23	900000043	6

Details	Detail pos.	Detail no.	Unit.
Plastic cover	15	901969003	2
Lift arm insert set	16/17	901979002	1
M6S M10*40 GL=15	22	901890122	1
M6S M10*56	28	930000053	1
Washer DIN433 10,5x18x1,6		930000019	1

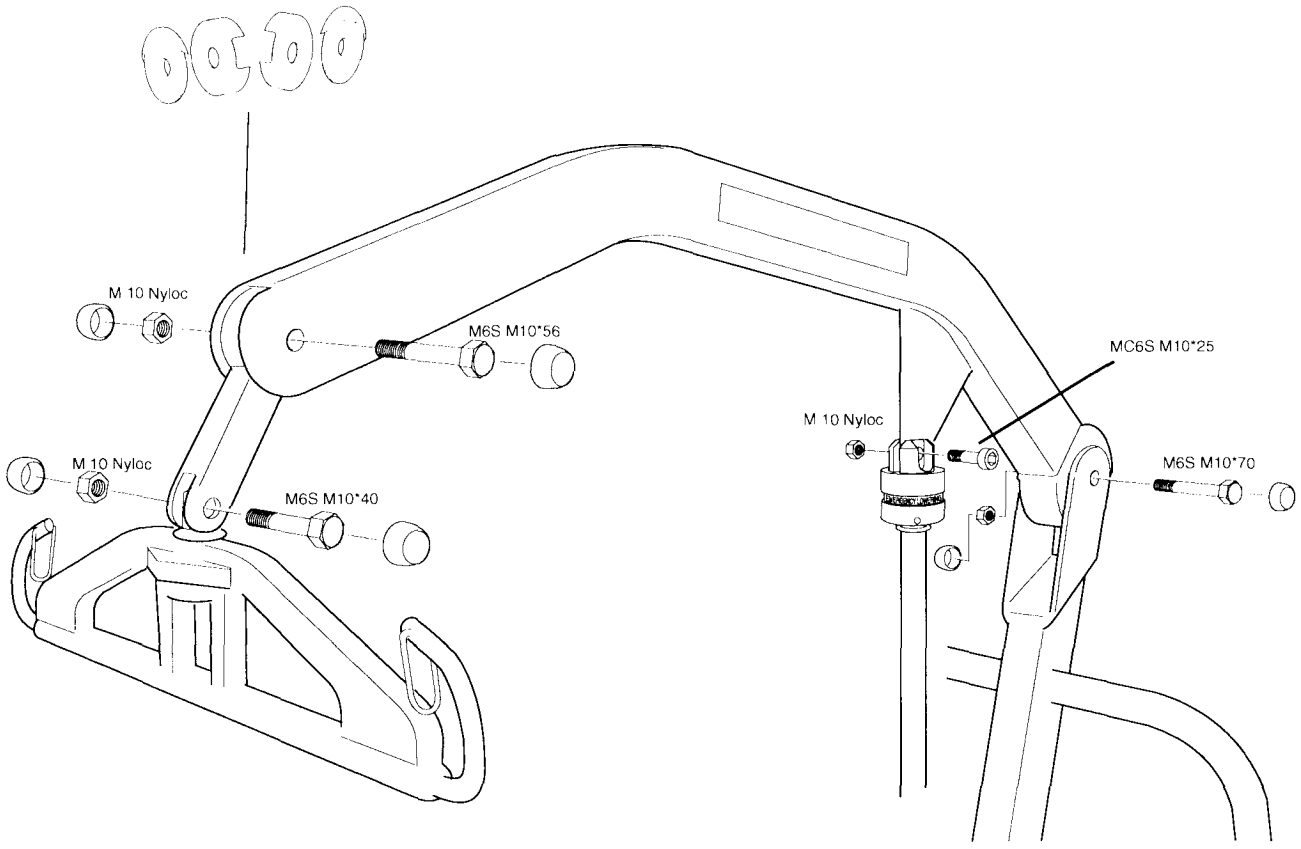
Overhead beam restorationset

Prod. no. 20190044

Tools required

2x 17 mm

9 mm

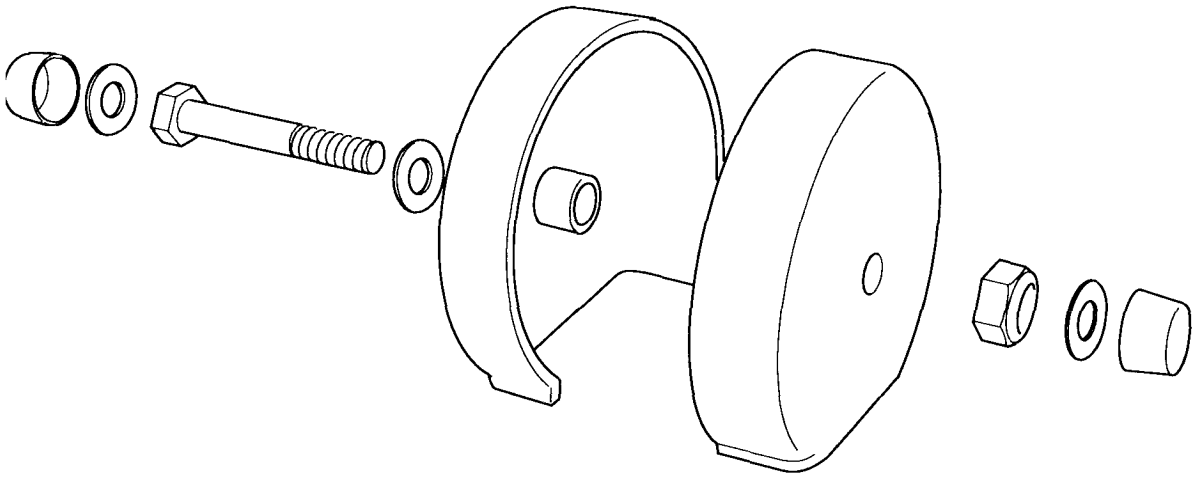


* Remove existing grey coverhats

Liftarm plastic cover

Prod. no. 20190045

Serial no..... Version..... Release .....



All details according to drawing no. R 3992519-3

Details	Detail pos.	Detail no.	Unit.
Plastic cover	15	901969003	2
Top cover M10 Gray	23	900000043	2
Washer DIN433 10,5x18x1,6		930000019	

Details	Detail pos.	Detail no.	Unit.
Screw M6S M10x70	19	930000045	1
Locking nut M10	20	930000010	1

Liko

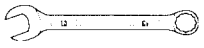
4.63.1

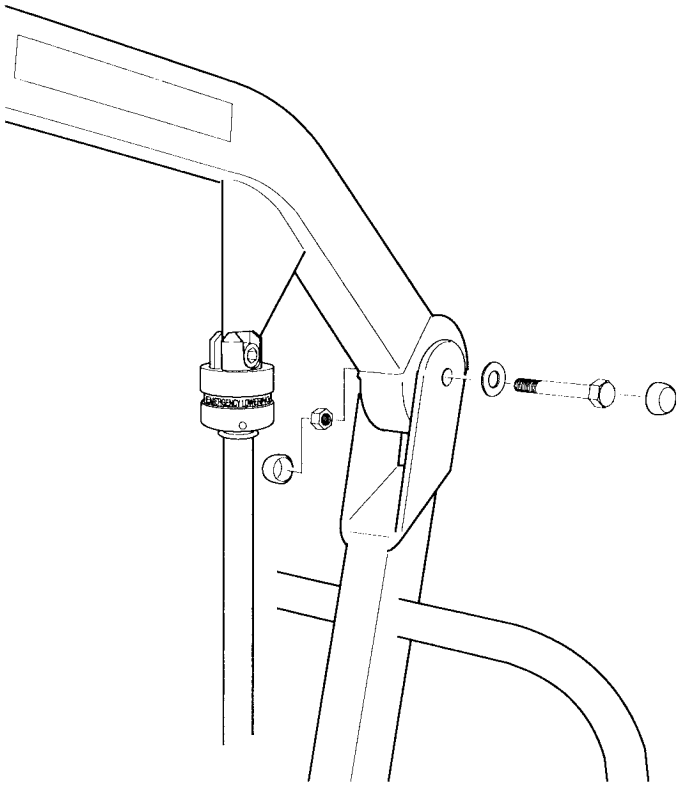
Assembly Instructions/Exchange

Liftarm plastic cover

Prod. no. 20190045

Tools required

2x  17 mm

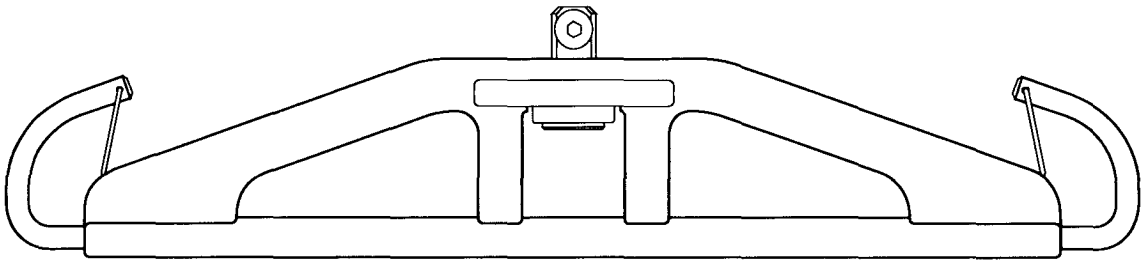


* Remove existing grey hubcups

Sling bar Universal 450

Prod. no. 3156001

Serial no..... Version..... Release .....



All details according to drawing no. R 3992519-3

Details	Detail pos.	Detail no.	Unit.	Details	Detail pos.	Detail no.	Unit.
Body (slingbar)	4	901891210	1	Cover bearing Uni Slingbar	33	901495317	1
Safety Latch	37	900000177	2	O-ring 16*4,5	31	930000182	1
Center Bolt Slingbar M65 M10*40	30	901953162	1	K6S M10*25		930000179	1
Bearing uni Slingbar 51104	32	920000178	1	Locking nut M10	20	930000010	1

Liko

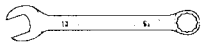
4.86.1

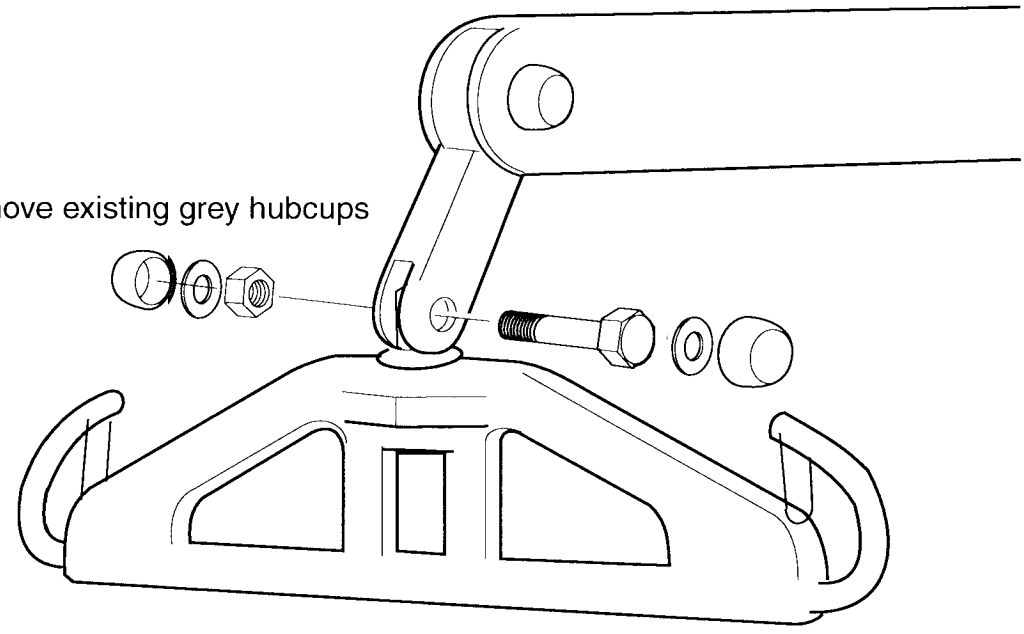
Assembly Instructions/Exchange

Sling bar Universal 450

Prod. no. 3156001

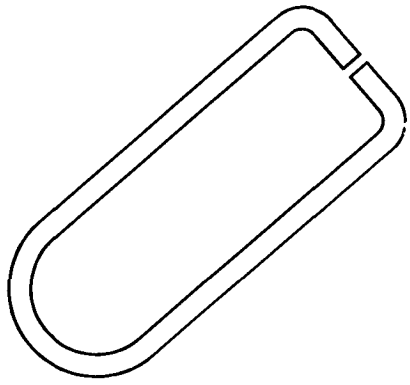
Tools required

2X  17 mm



Safety latch

Serial no..... Version..... Release .....



All details according to drawing no. R 3992519-3

Details	Detail pos.	Detail no.	Unit.
Safety latch	37	900000177	2

Liko

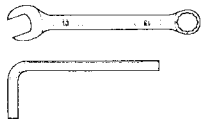
4.87.1

Assembly Instructions/Exchange

Safety latch

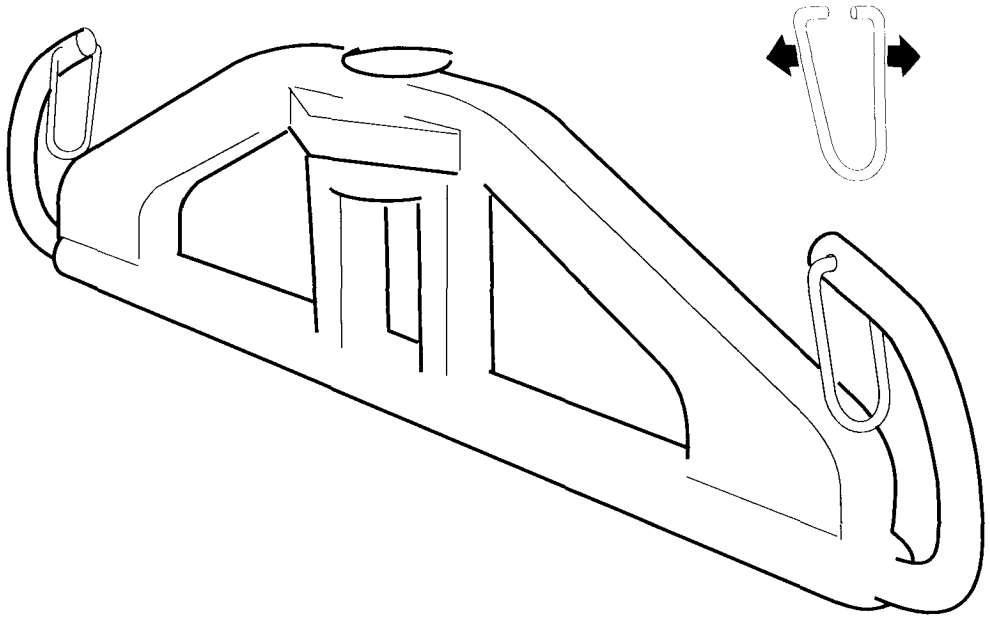
Prod. no. 31190018

Tools required



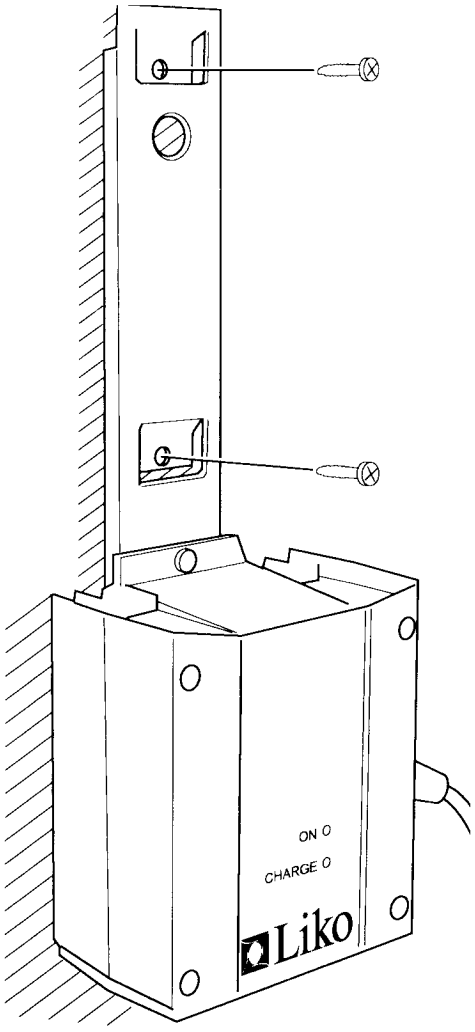
17 mm

6 mm



Charger for wallmounting

Serial no..... Version..... Release .....



Details	Detail pos.	Detail no.	Unit.
Charger CHJ2-02-000-3J (switchmod)		950000039	1
Attachment for controlbox MBJ3		900000063	1
Screw MC6S low M5x8		930000001	1

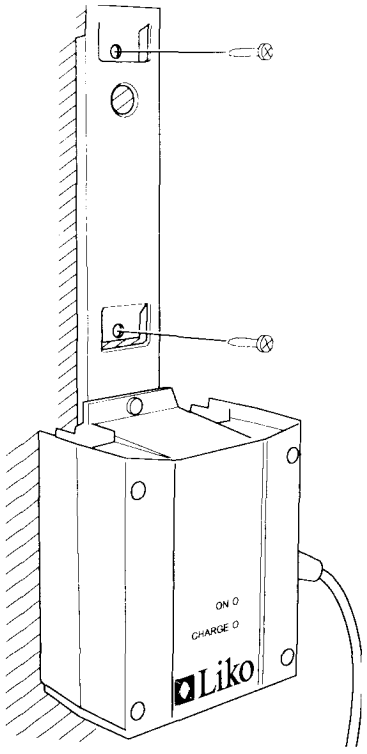
Liko

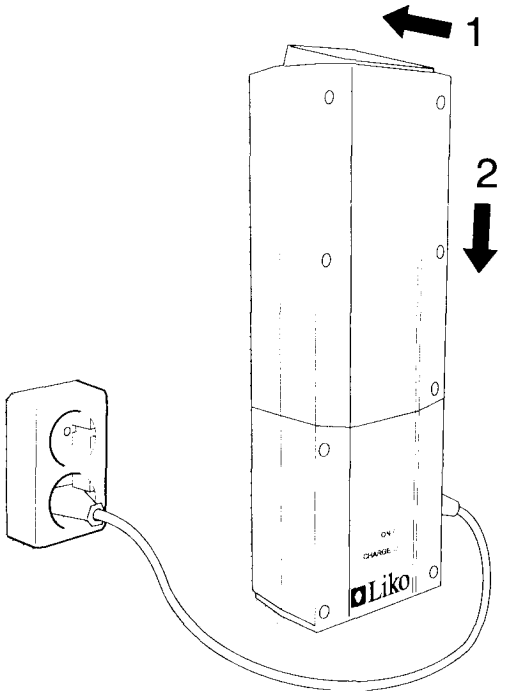
4.138.1

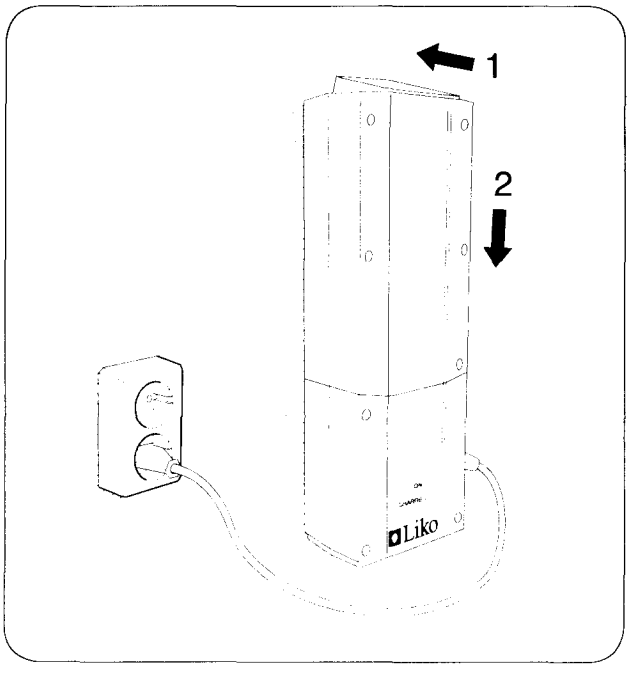
Assembly Instructions/Exchange

Charger for wallmounting

Prod. no. 2004106





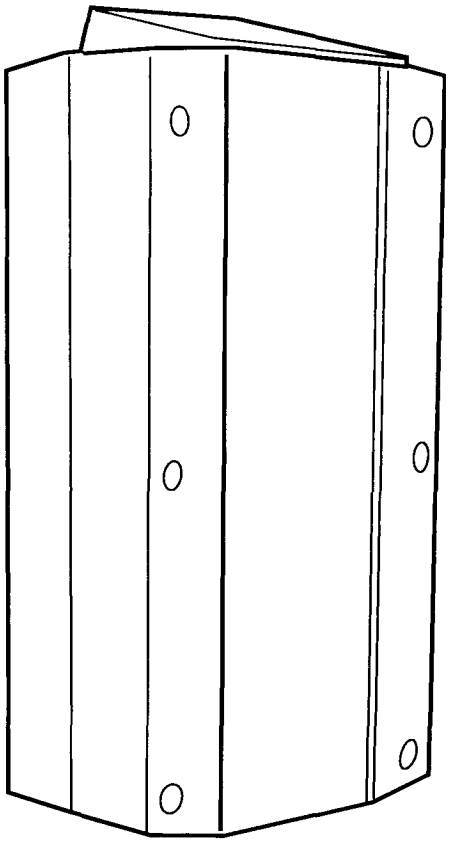


Loading with wall-mounted charger:
Remove the battery from the electronic power pack and place this on top of the wallmounted charger.
Check that the lamp on the front of the charger lights when charging.

Batterybox

Prod. no. 2006106

Serial no..... Version..... Release .....



All details according to drawing no. R 3992519-3

Details	Detail pos.	Detail no.	Unit.
Batterybox	6	950000044	1

Liko

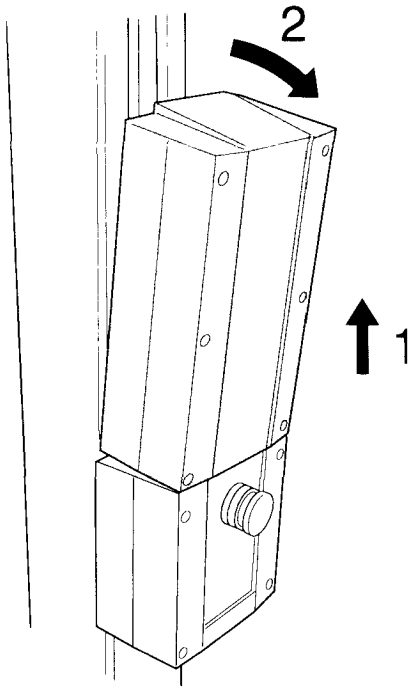
4.139.1

Assembly Instructions/Exchange

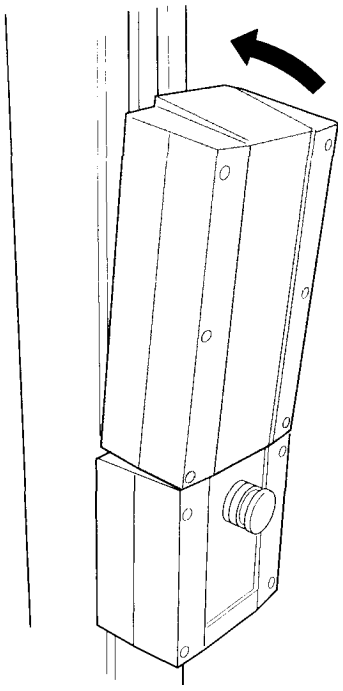
Batterybox

Prod. no. 2006106

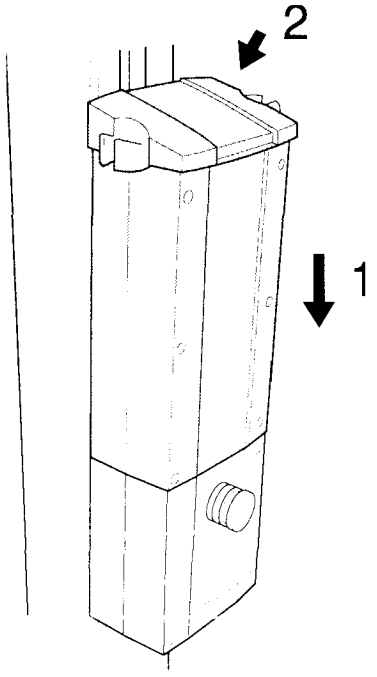
1.



2.



3.

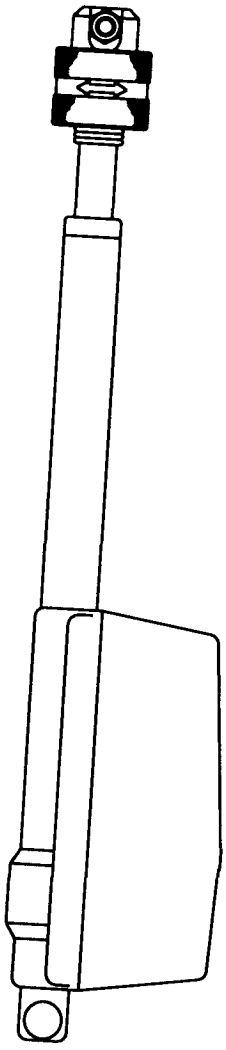


Old batteries are to be left to personal authorised by Liko, or at the nearest station for environmental recycling.

Actuator Light

Prod. no. 20390008

Serial no..... Version..... Release .....



All details according to drawing no. R 3992519-3

Details	Detail pos.	Detail no.	Unit.
Actuator Light	3	940000007	1
Emergency Lowering U1/U2/Sa	34	20190011	1

Liko

4.150.1

Assembly Instructions/Exchange

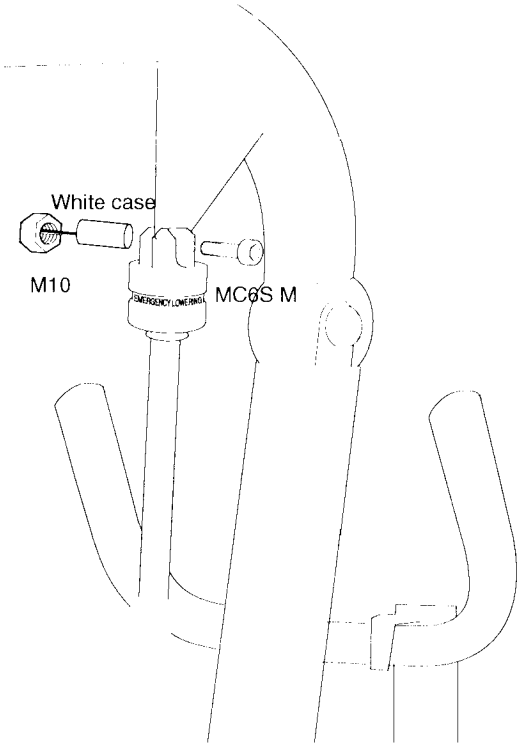
Actuator Light

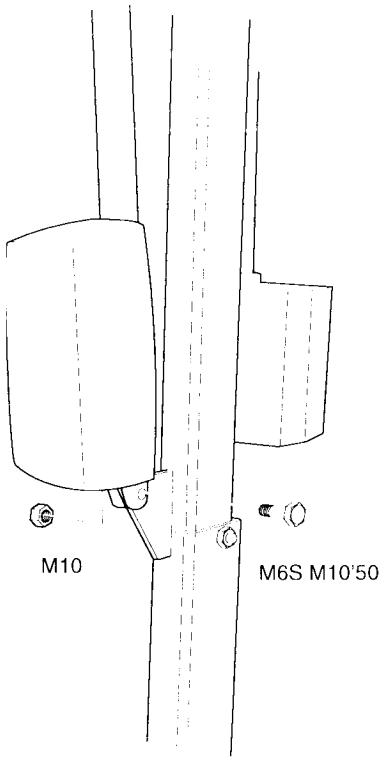
Prod. no. 20390008

Tools required

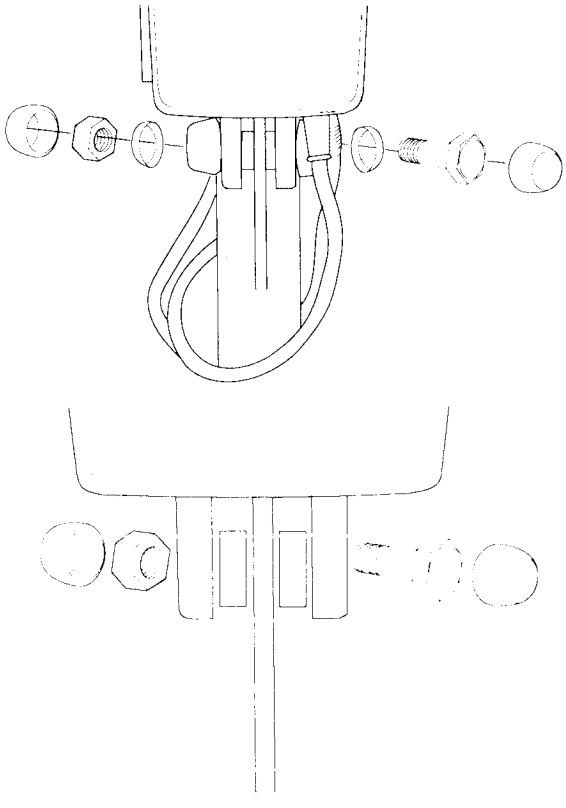
2x 17 mm

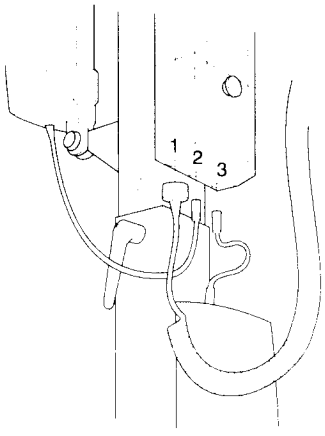
8 mm





* Remove existing grey hubcups



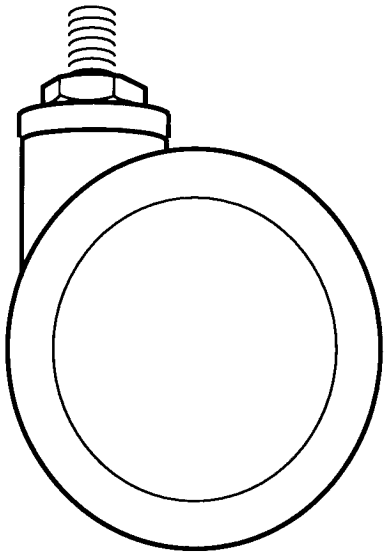


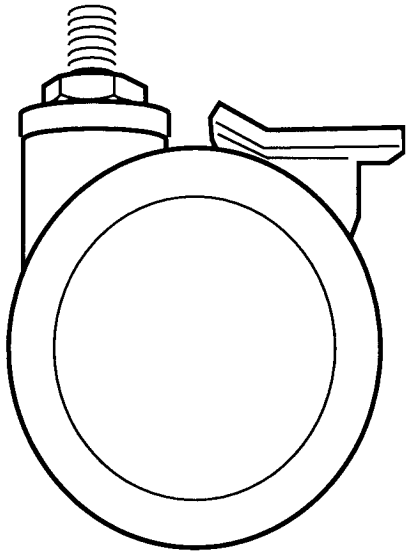
Connect the cables as follows:
Motorcable mast to pos. 2

Frontwheel 75 mm

Prod. no. 20390001

Serial no..... Version..... Release .....





All details according to drawing no. R 3992518-4

Details	Detail pos.	Detail no.	Unit.
Wheel 75 mm Light	14	910000005	1
Nut M6LM M10	37	930000268	1

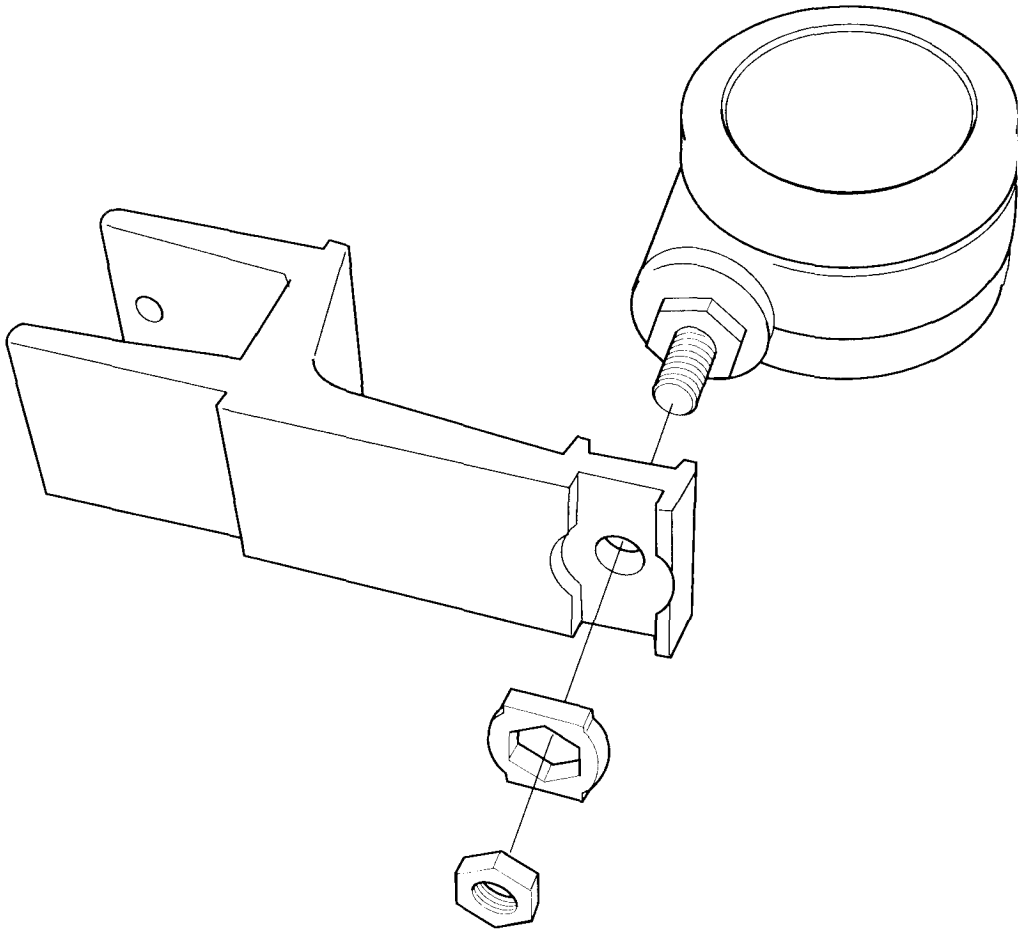
Liko

4.153.1

Assembly Instructions/Exchange

Frontwheel 75 mm

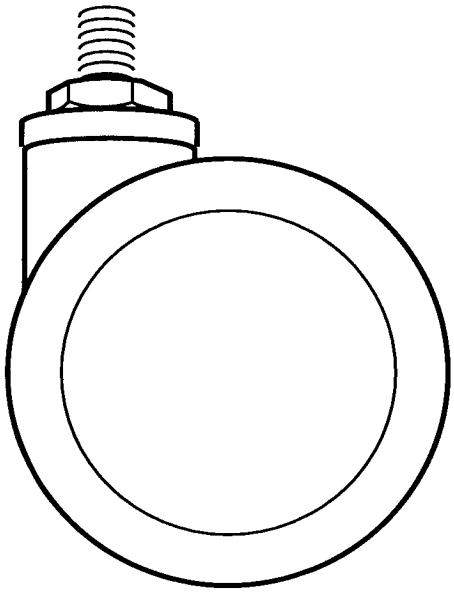
Prod. no. 20390001

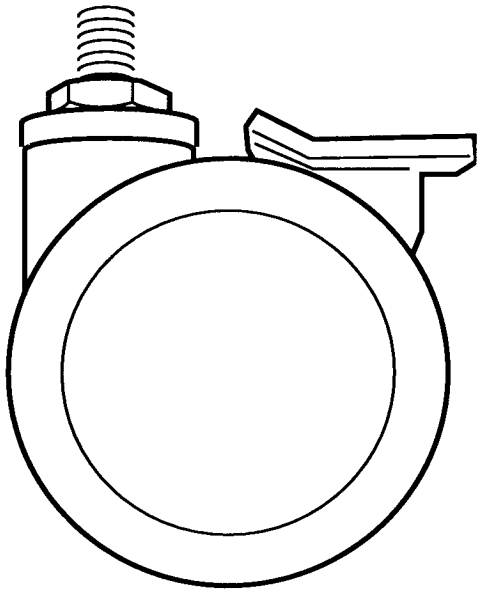


Rearwheel 75 mm

Prod. no. 20390002

Serial no..... Version..... Release .....





All details according to drawing no. R 3992518-4

Details	Detail pos.	Detail no.	Unit.
Rearwheel 75 mm Light	15	910000006	1
Nut M6LM M10	37	939999268	1

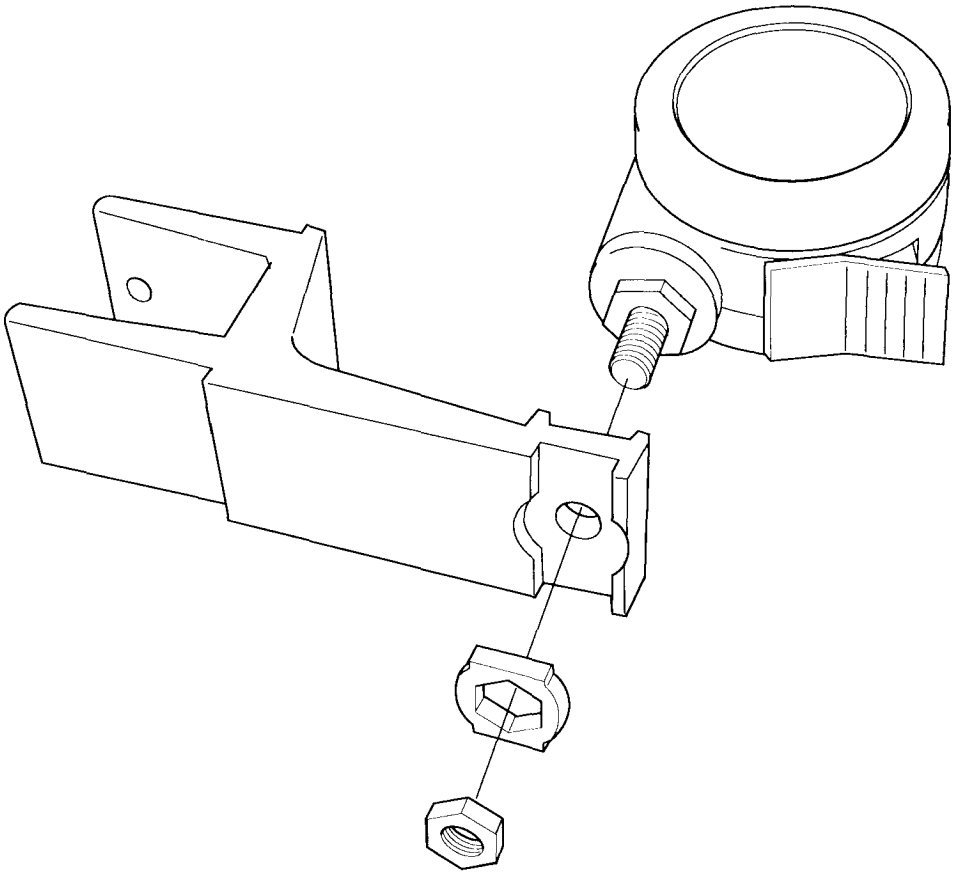
Liko

4.154.1

Assembly Instructions/Exchange

Rearwheel 75 mm

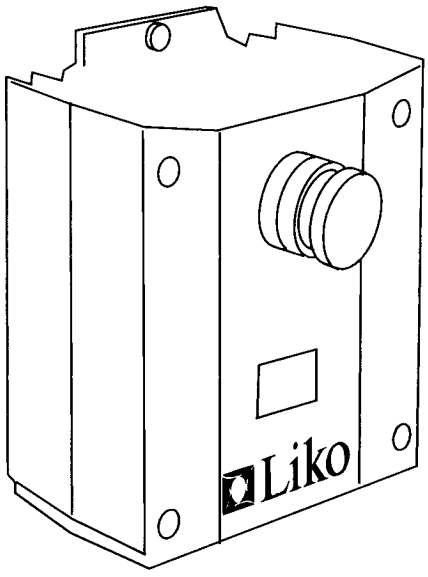
Prod. no. 20390002

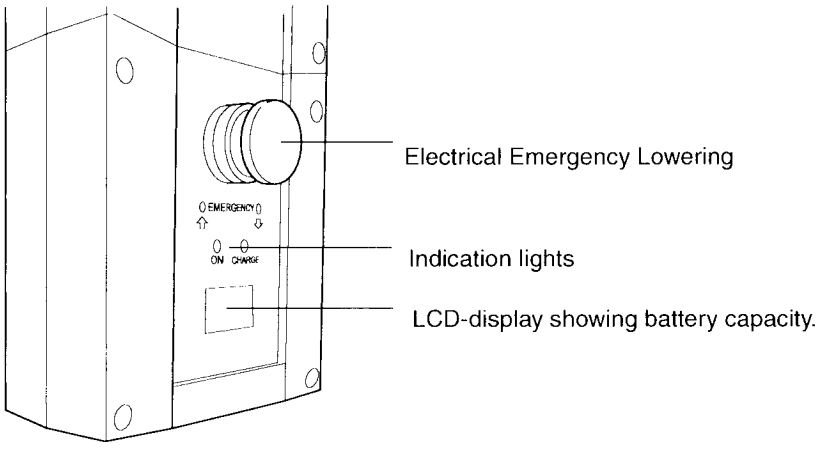


Control box Light

Prod. no. 20390007

Serial no..... Version..... Release .....





All details according to drawing no. R 3992519-3

Details	Detail pos.	Detail no.	Unit.
Controlbox Light	5	950000057	1

Liko

4.155.1

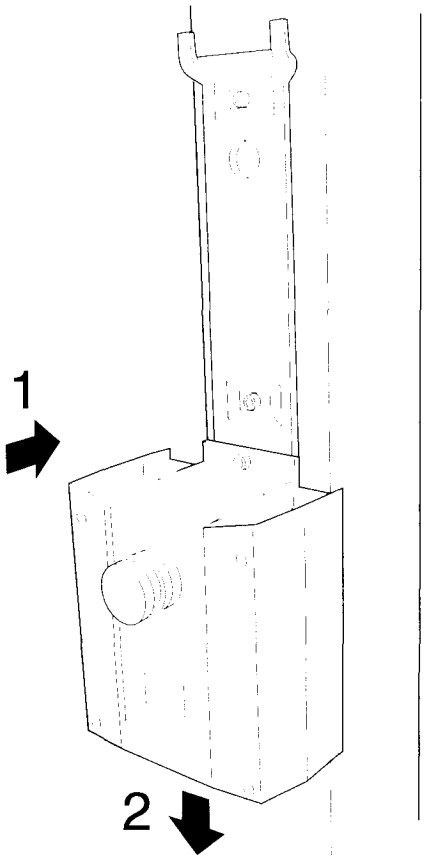
Assembly Instructions/Exchange

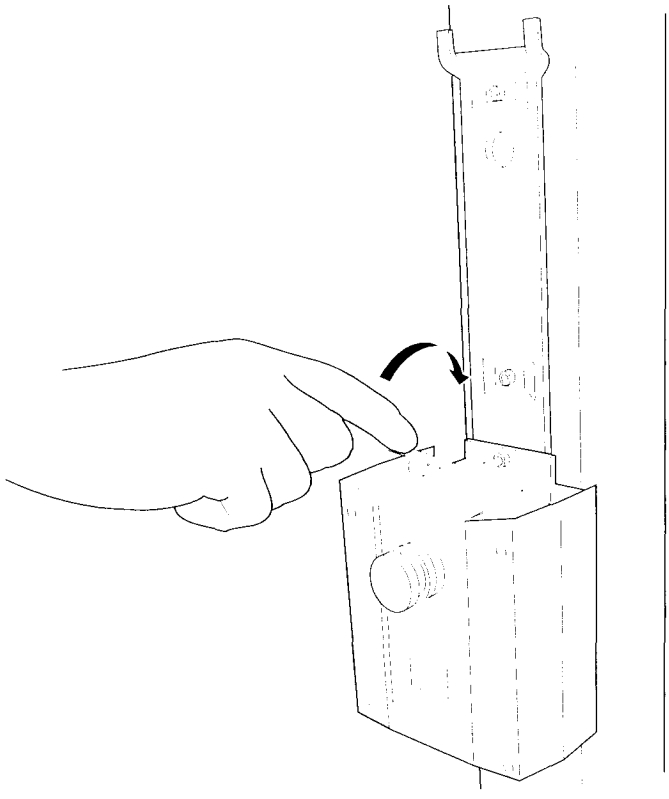
Control box Light

Prod. no. 20390007

Tools required

3 mm

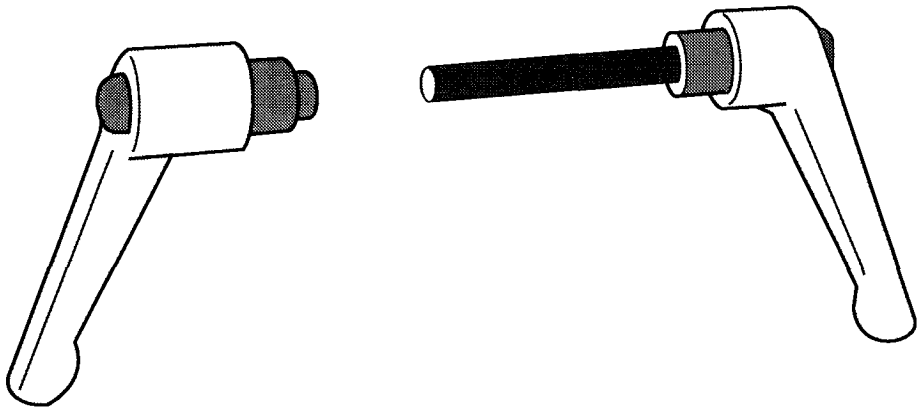




Locking handle

Prod. no. 20390003

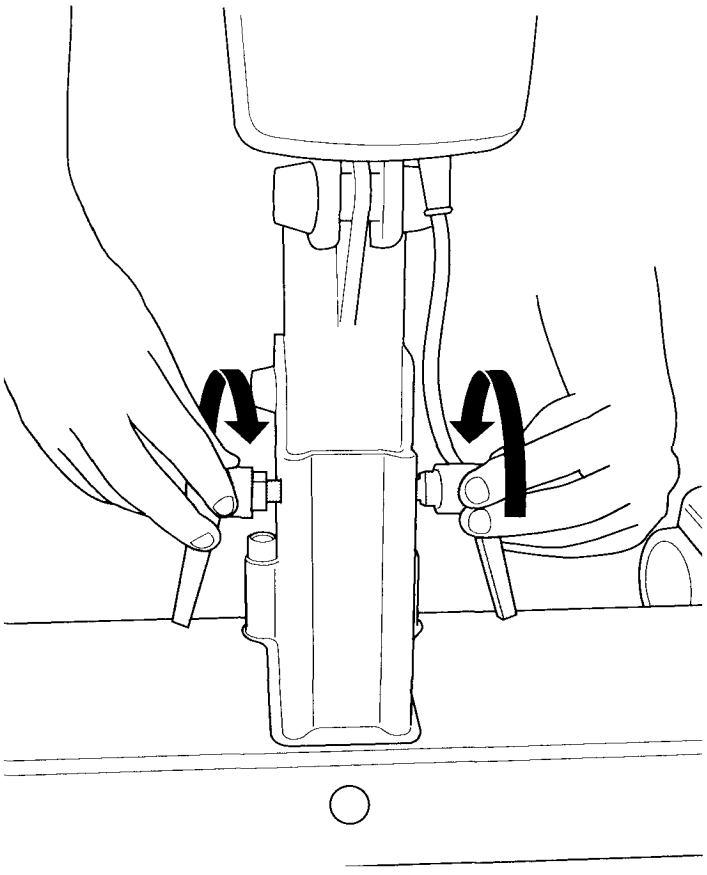
Serial no..... Version..... Release .....



All details according to drawing no. R 3992518-4

Details	Detail pos.	Detail no.	Unit.
Locking handle M8 2865 Light	-	930000272	2
Mastbolt	-	901992521	1
Washer BRB 8,4x20x2 A4	-	939999286	2

Locking handle

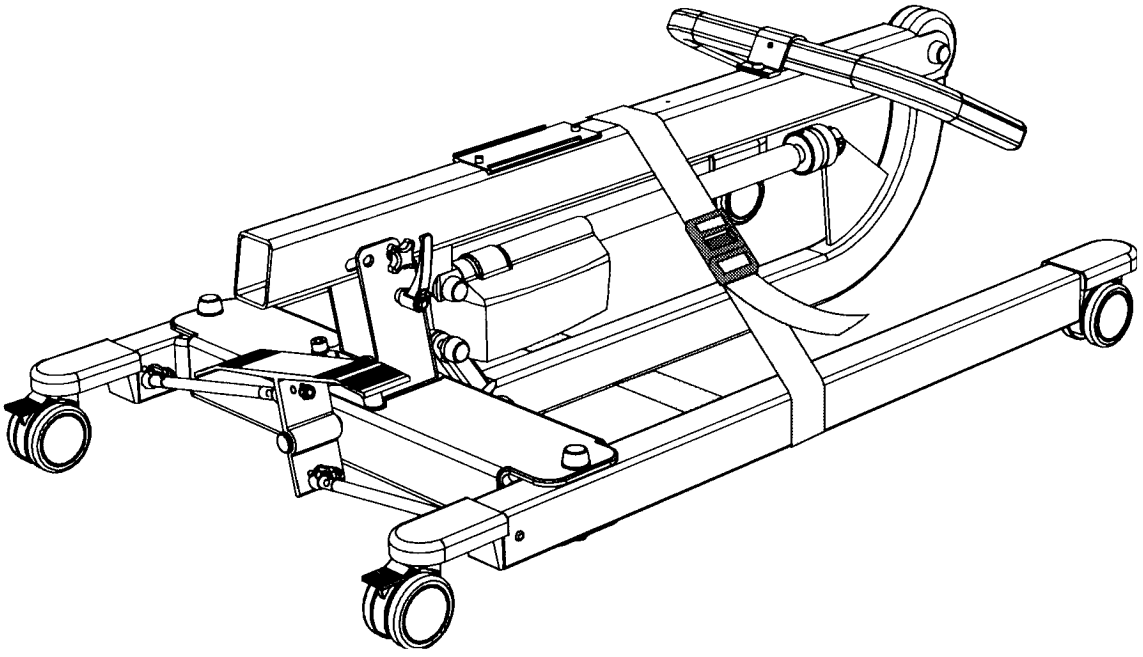


Place locking handle in lower hole and tighten.

Conveyor strap

Prod. no. 20390004

Serial no..... Version..... Release .....



All details according to drawing no. R 3992518-4

Details	Detail pos.	Detail no.	Unit.
Conveyor strap Light	40	900000423	1

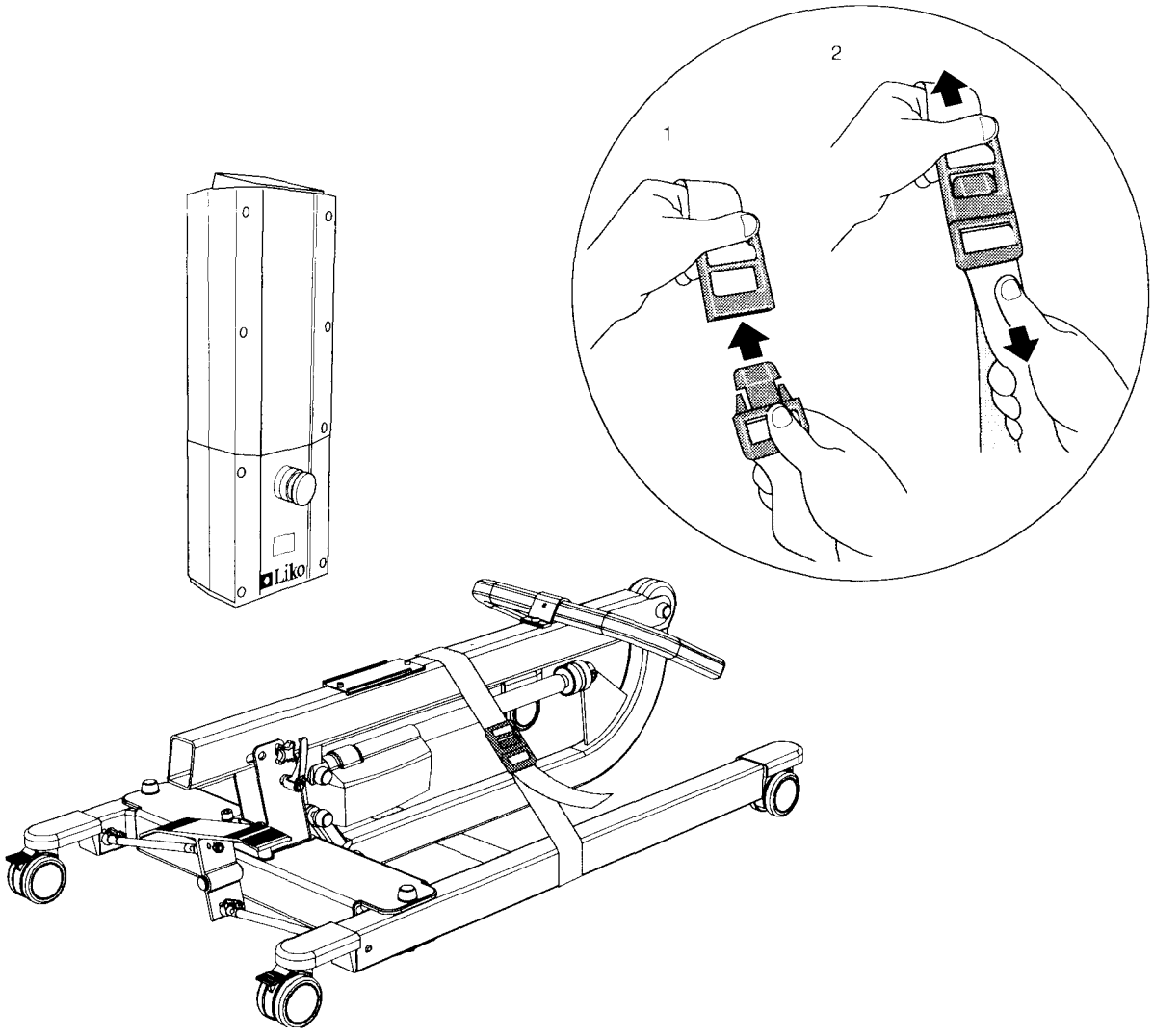
Liko

4.157.1

Assembly Instructions/Exchange

Conveyor strap

Prod. no. 20390004



Secure strap around lift and the lift is ready for transport.

Liko

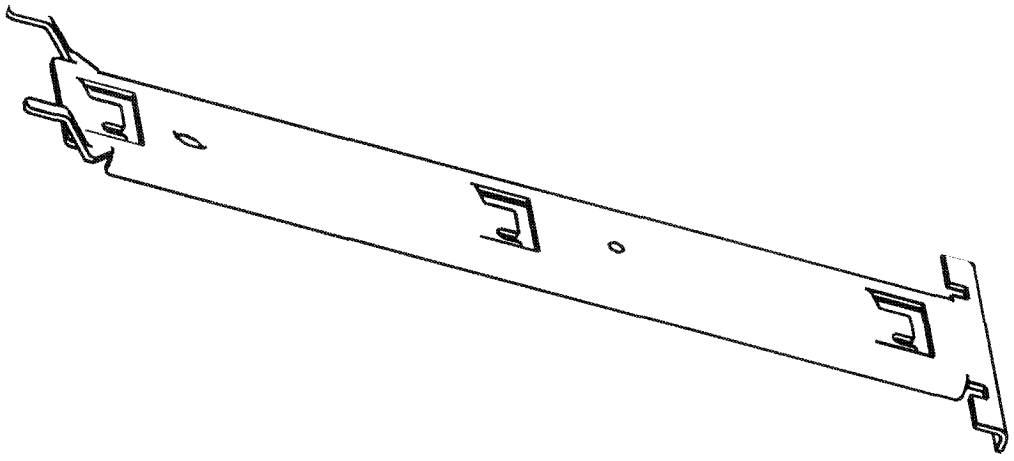
4.158

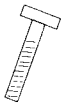
Spareparts Specification

Attachment for control box

Prod. no. 20390005

Serial no..... Version..... Release .....





x4

All details according to drawing no. R 3992519-3

Details	Detail pos.	Detail no.	Unit.	Details	Detail pos.	Detail no.	Unit
Mastbracket		901992519	1	MC6S M5*8 low	14	930000001	1
Electric profile Light	12	901992518	1	Rubber foot Gray 14.M.005	29	900000418	1
Attachment for controlbox MBJ2	13	900000001	1	Locking nut M5	39	930000104	2
Screw MC6S M5x10 låg	14		5				

Liko

4.158.1

Assembly Instructions/Exchange

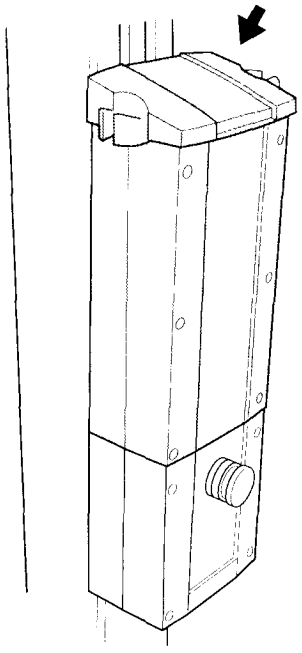
Attachment for control box

Prod. no. 20390005

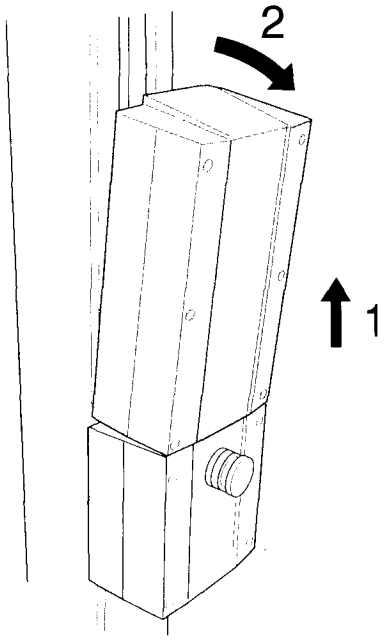
Tools required

3 mm

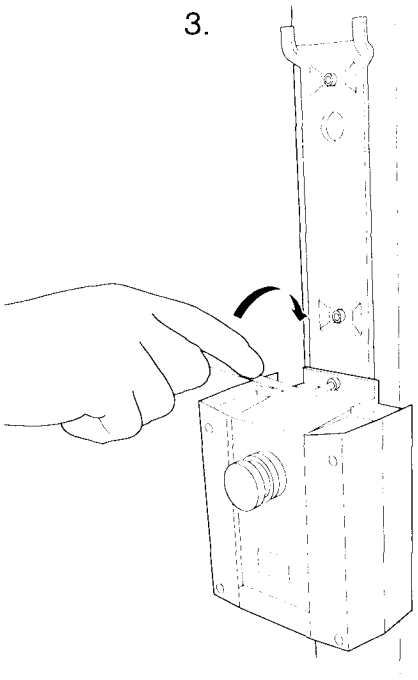
1.



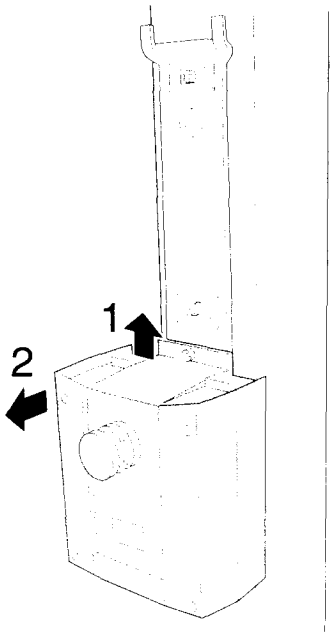
2.



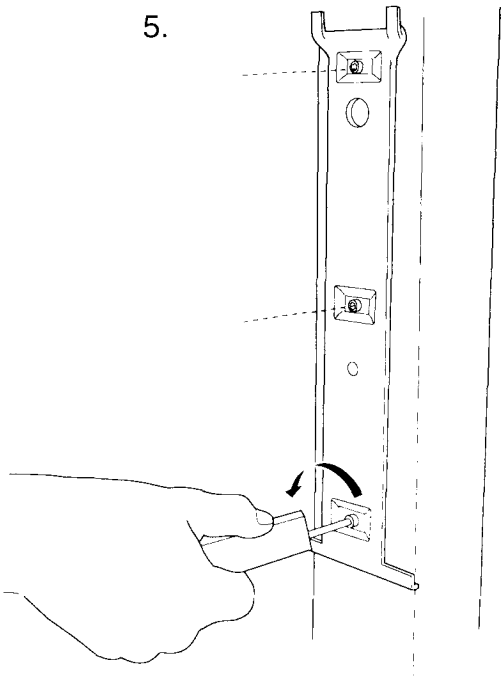
3.



4.



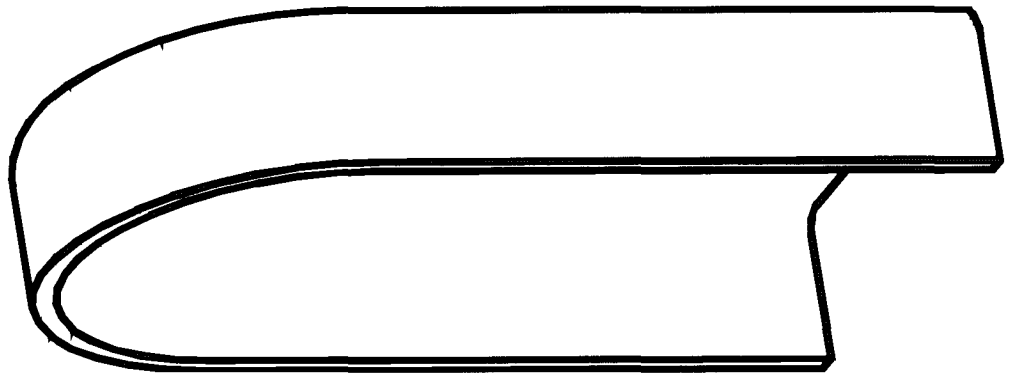
5.



Front fork cover

Prod. no. 20390006

Serial no..... Version..... Release .....



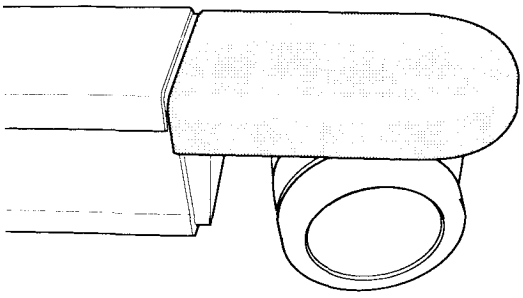
All details according to drawing no. R 3992518-4

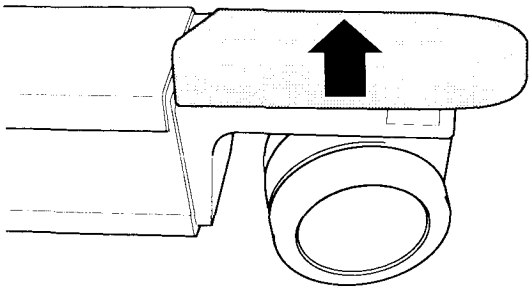
Details	Detail pos.	Detail no.	Unit..
Front fork cover gray Light	13	900000419	2

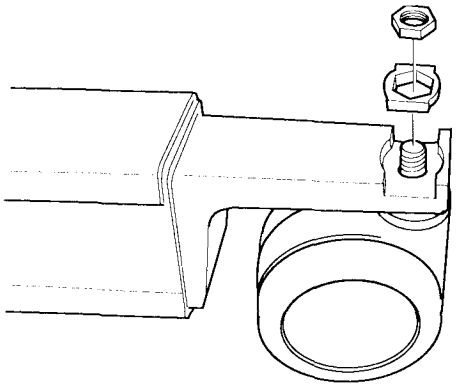
Front fork cover

Tools required

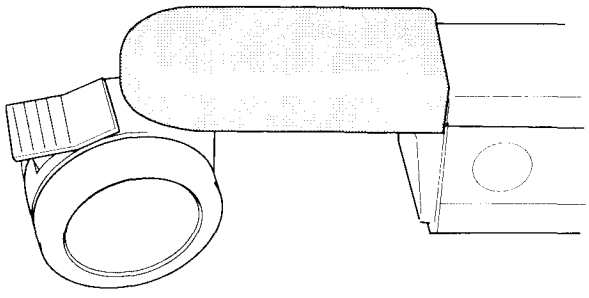
Forward:

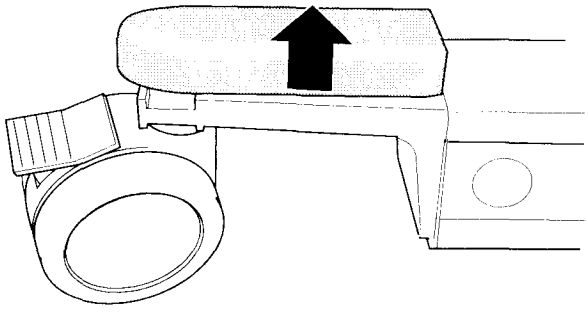


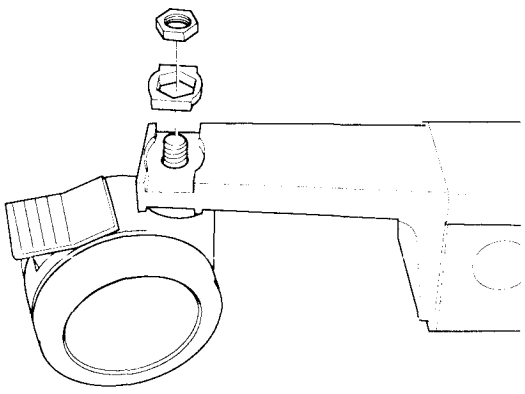




Backside:







Troubleshooting LikoLight

The lift does not work.	1. Check that the emergency stop button is not pushed in. 2. Check that the cables are connected correctly. 3. Check that the battery is charged. 4. Check that the battery contact plate is not defective or broken off. 5. Check that the charging cable is not connected to the wall socket. 6. *If the lift still does not work satisfactory, contact Liko.*
Battery charging does not work.	1. Check that the emergency stop button is not pushed in. 2. Check that the battery contact plate is not defective or broken off. 3. *If the lift still does not work satisfactory, contact Liko.*
The lift stops in the elevated position.	1. Use the emergency lowering device (marked). 2. *If the lift still does not work satisfactory, contact Liko.*
If the lift makes an unusual sound.	*Contact Liko.*

Enkel felsökning LikoLight

Lyften fungerar ej upp/ner.

1. Kontrollera att nödstoppen ej är intryckt.
2. Kontrollera att kablarna är rätt anslutna.
3. Kontrollera att laddkabeln ej är ansluten i vägguttag.
4. Kontrollera batterispänningen.
5. Kontrollera att kontaktblecken till batteri ej är defekta eller avbrutna.
6. *Om den fortfarande inte fungerar tillfredsställande kontakta Liko och begär "service".*

Lyften laddar ej.

1. Kontrollera att nödstoppen ej är intryckt.
2. Kontrollera att kontaktblecken till batteri ej är defekta eller avbrutna.
3. *Om den fortfarande inte fungerar tillfredsställande kontakta Liko och begär "service".*

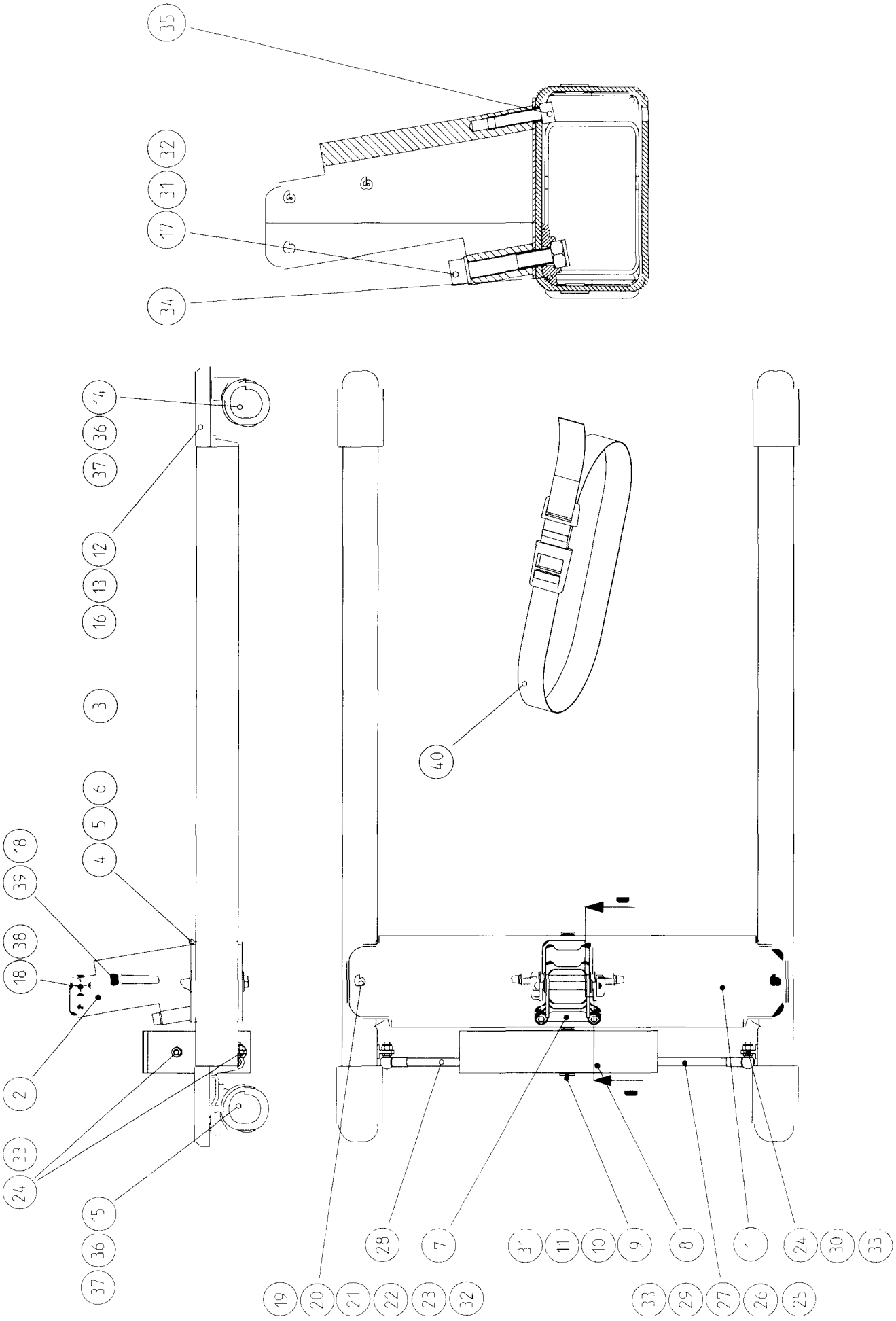
Lyften stannar i högt läge.

1. Använd markerad nödsänkningsanordning.
2. *Om den fortfarande inte fungerar tillfredsställande kontakta Liko och begär "service".*

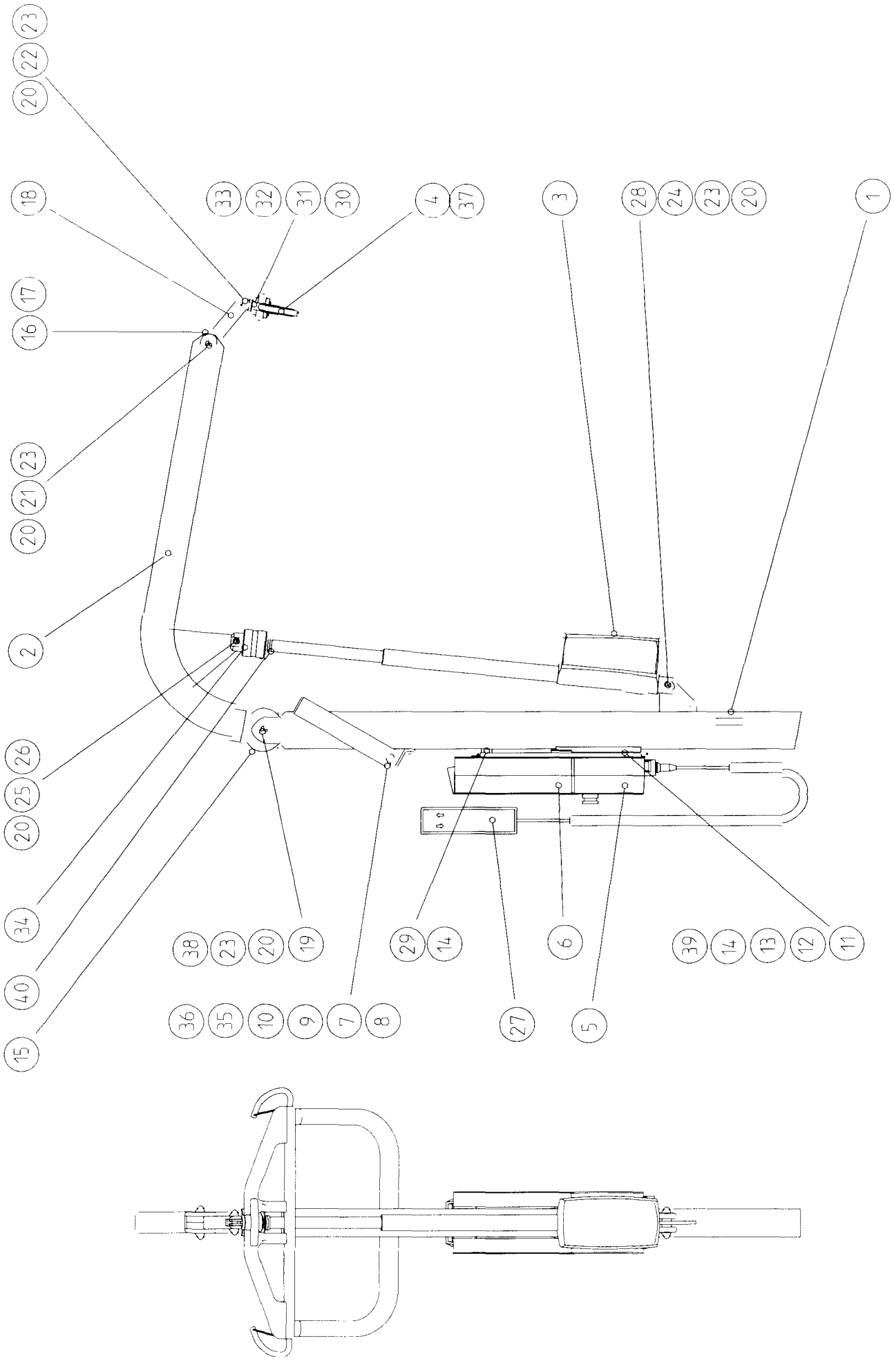
Om du hör eventuella missljud.

Kontakta Liko och begär "service".

Drawing no. R 3992518-4



Drawing no. R 3992519-3



Checklist for mobile lifts

Customer

No.

Name

Address:

(Zip Code)

City/state

Country

Tel:

Fax:

Customer Reference:

Name

Tel:

Fax:

E-mail:

Text:

Contract no.:

Lift type:

Location:

Serial No:

Prod. Year:

Check

Item	System
1	**Chassis**
1.1	Wheels/brakes
1.2	Wheel base adjustment/Limits (parameters)
1.3	Crossbeam/Center
1.4	Screws/bolts
1.5	Mast base
2	**Mast**
2.1	Mast / boom (lift arm)
2.2	Lifting range/Limits (parameters)
2.3	Handles / armrests
2.4	Lift strap Slingbar connection
2.5	Screws/bolts
3	**Safety features**
3.1	Emergency lowering
3.2	Safety features
4	**Power**
4.1	Handcontrol
4.2	Cables/Connectors
4.3	Battery/Charger
4.4	Emergency stop
5	**Documentation**
5.1	Labels,signs
5.2	Instructions /user guides
5.3	
5.4	
6	**Other**
6.1	Protective cover
6.2	Notes

Comments:

Item	System

Load test weight:

Date:

Serviced by:

Liko

Checklista mobila lyftar

Kund

Nr.:

Namn:

Adress:

Postnr.

Ort.

Land:

Tel:

Fax:

Kundreferenser

Namn:

Tel:

Fax:

E-post:

Text:

Avtalsnr.:

Lyfttyp:

Placering:

Tillv.nr.:

Tillv.år:

Kontroll av:

Pos	System
1	**Chassi**
1.1	Hjul / Bromsar
1.2	Breddning / Gränsläge
1.3	Mittbalk / Center
1.4	Skruvförband
1.5	Infäsning Chassi / Perlare
2	**Pelare**
2.1	Infästning Pelare / Lyftarm
2.2	Lyftområde / Gränsläge
2.3	Handtag / Armstöd
2.4	Lyftband / Infästning Lyftbygel
2.5	Skruvförband
3	**Säkerhetsanordningar**
3.1	Nödsänkning
3.2	Urkrokningsskydd lyftbygel
4	**Elektronik**
4.1	Handkontroll
4.2	Kablage / Anslutningar
4.3	Batteri / Laddningsfunktion
4.4	Nödstopp
5	**Dokumentation**
5.1	Typskylt
5.2	Instruktion / Bruksanvisning
5.3	
5.4	
6	**Övrigt**
6.1	Skyddskåpor
6.2	Notering

Anmärkning:

Pos	System

Provbelastad med märklast:

Datum:

Service utförd av: